

Memo to the site file

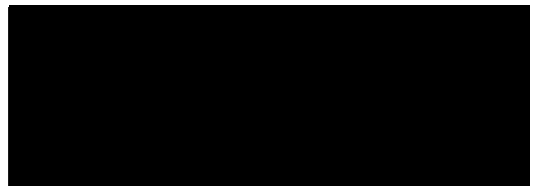
This is a memo to the De-Bruce Elevator site file.

Attached is the site wide SCORES reports used for litigation.

Disaster Documents cost reimbursement

Please retain the pink separator sheets in the original document for filing & scanning.

Name John C. Anderson Date 10/15/12 Phone # 7470



U.S. Environmental Protection Agency Cost Documentation Package

Disaster Name: DeBruce Grain Elevator, Haysville, Kansas
FEMA Mission Assignment Identification Number: EM3126

Date: November 6, 1998

Disaster Name: DeBruce Grain Elevator, Haysville, Kansas

Page 1

FEMA Mission Assignment Identification Number: EM3126

EPA Reimbursable Account Number: 1998 BR 07W0X01 6FX
BFY Appr Bud/Org PE

PROJECT COST SUMMARY	
CATEGORY	REIMBURSABLE
EPA Personnel Costs	\$ 838.20 850. ²⁵
EPA Personnel Travel Costs	\$ 276.98
EPA Contractor Costs	\$ 5,209.00
Other EPA Costs	\$ 0.00
Other Federal Agency Costs	\$ 0.00
TOTAL COSTS	\$6,324.18 6336.23

Total Project Cost: ^{6336.23}
~~\$6,324.18~~

ESF #10 Regional Chair Summary Statement of Cost Documentation

This package presents a summary of and supporting documentation for costs incurred on the disaster response noted above. All costs are final except the EPA Contractor costs.

Signature: _____

Date: _____

Printed Name: Robert Jackson
ESF #10 Regional Chair

Disaster Name: DeBruce Grain Elevator, Haysville, Kansas

Page 2

EPA PERSONNEL COSTS					
Name	Fixed Acct. No.	Reg. Hours	OT Hours	Reimbursable Costs	TOTAL
James R. MacDonald	07WG7X00	*****	33	\$838.20 ^{850.35}	\$838.20 ^{850.35}

Total EPA Personnel Costs: \$838.20

ATTACHMENTS:

X Time sheets (Copies)

(NOTE: Time sheets and payroll reports must be redacted to remove information protected by the Privacy Act, including Social Security Numbers, etc.)

X MARS Payroll Report



United States Environmental Protection Agency
Washington, DC 20460

Page 1 of 1

Payroll Distribution Timesheet

Employee Name MACDONALD, JAMES R.		Social Security Number [REDACTED]		Pay Period Number 19		Pay Period Dates From: 06/07/98 To: 06/20/98							Designated Agent Number: 8493						
														SUMMARY COLUMNS					
Budget FY	Fund Field	*** Account Number/Description *** Org Field	Program Field	Site Project	Cost Org/Field	Wk 1 2	Sun Sun	Mon Mon	Tue Tue	Wed Wed	Thu Thu	Fri Fri	Sat Sat	Regular Hours	Overtime Hours	Haz Duty	Night Diff	*Sunday/Holiday Hours	Code
98	BR	07W0X01	6FX			1				7.50	12.50	13.00							
** OVERTIME - DEBRUCE GRAIN SITE - REIMBURSABLE OT						2									33.00				
98	T	07WH004	FAX	0700BN00		1													
GENERAL SUPERFUND OTHER LEAVE						2						4.00		4.00					
98	T	07WH016	FAX	0700TH00		1			9.00	5.00									
GENERAL SUPERFUND TRAINING OF OTHERS						2		9.00	9.00	9.00	9.00	4.00		54.00					
98	T	07WH055	FAX	0700BN00		1		9.00		4.00	9.00								
GENERAL SUPERFUND SUPR CONTINGENCY PLANNING						2								22.00					
						1													
						2													
						1													
						2													
						1													
						2													
						1													
						2													
Non-Fixed-Account-Number (FAN) Subtotals from Continuation Sheets																			
NON-FAN Totals								18.00	18.00	25.50	30.50	21.00		80.00	33.00				
Grand Total All Paid Hours								18.00	18.00	25.50	30.50	21.00		80.00	33.00				
Timekeeper's Telephone Number 2968		I certify that the hours posted are accurate for the work performed. I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.																*Code 2=Holiday 4=Sunday	
Timekeeper's Signature <i>[Signature]</i>		Supervisor's Signature <i>[Signature]</i>								Employee's Signature <i>[Signature]</i>									

Disaster Name: DeBruce Grain Elevator, Haysville, Kansas

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EPA PERSONNEL TRAVEL COSTS			
Name	TA Number	Period of Travel	Voucher Amount
James R. MacDonald	TA7WH8167	6/10/98 - 6/12/98	\$224.55
GSA Motor Pool	MAY07980044		\$ 52.43

EPA Personnel Travel Costs Total: \$276.98

ATTACHMENTS:

☒ Travel Authorizations (Copies)

☒ Travel Vouchers with receipts (Copies)

(Note: TA's and Vouchers must be redacted to remove information protected by the Privacy Act, including Social Security Numbers, Home Addresses, etc.)

[illegible]

SCHEDULE OF EXPENSES AND AMOUNTS CLAIMED	INSTRUCTIONS TO TRAVELER		<i>(Unlisted items are self explanatory)</i>		Complete this information if this is a continuation sheet.	PAGE <u>2</u>
	Col. (c) If the voucher includes per diem allowances for members of employee's immediate family, show members' names, ages, and relationships to employee and marital status of children (unless information is shown on the travel authorization.)	Complete only for actual expense travel	Col. (d) Show amount incurred for each meal, including tax and tips, and daily total meal cost. thru (g) Show expenses, such as: laundry, cleaning and pressing of clothes, tips to bellboys, porters, etc. (other than for meals). (h) Complete for per diem and actual expense travel. (i) Show total subsistence expense incurred for actual expense travel. (j) Show per diem amount, limited to maximum rate, or travel on actual expense, show the lesser of the amount from col. (j) or maximum rate. (m) Show expenses, such as: taxi/limousine fares, air fare (if purchased with cash), local or long distance telephone calls for Government business, car rental, relocation other than subsistence, etc. (n)	(d) Show amount incurred for each meal, including tax and tips, and daily total meal cost. (g) Show expenses, such as: laundry, cleaning and pressing of clothes, tips to bellboys, porters, etc. (other than for meals). (h) Complete for per diem and actual expense travel. (i) Show total subsistence expense incurred for actual expense travel. (j) Show per diem amount, limited to maximum rate, or travel on actual expense, show the lesser of the amount from col. (j) or maximum rate. (m) Show expenses, such as: taxi/limousine fares, air fare (if purchased with cash), local or long distance telephone calls for Government business, car rental, relocation other than subsistence, etc. (n)	OF	PAGES
TRAVEL AUTHORIZATION NO. TA7WH8167					TRAVELER'S LAST NAME MACDONALD	

MACDONALD

If additional space is required, continue on another 1012-A BACK, leaving the front blank.

190.55
227.55

06/15/98

ACCOUNTING DETAIL

Doc No

TA7WH8167

Copyright 1997 Gelco Information Network, Inc. | MACDONALD, JAM

ACCOUNTING CLASS CODE

TRIP 1

LODGING-2111					100.00
M&IE-2111					75.00
PHONE CALLS-2117					12.30
TRANSPORT-2117					3.25

Air Monitoring	0.00	0.00	0.00	0.00	190.55
----------------	------	------	------	------	--------

.98.BR.07WOX01.6FX.....

BY BUDGET OBJECT CLASS

TRIP 1

2111					209.00 175.00
2127					15.55

Air Monitoring	0.00	0.00	0.00	0.00	190.55
----------------	------	------	------	------	-------------------

.98.BR.07WOX01.6FX.....

SPLIT PAY DISBURSEMENTS:

TOTAL EXPENSES 190.55

NON-REIMBURSABLE EXPENSES 0.00

TOTAL AMOUNT CLAIMED 190.55

GOV'T ADVANCE OUTSTANDING 0.00

GOV'T ADVANCE APPLIED 0.00 0.00

NET TO TRAVELER (GOVT) 190.55

GOV'T CHARGE CARD EXPENSES 0.00

GOV'T CHARGE CARD ATM ADVANCE 0.00

ADD'L GOV'T CHARGE CARD PYMT 0.00

TOTAL GOV'T CHARGE CARD AMT 0.00

PAY TO GOV'T CHARGE CARD 0.00

PAY TO TRAVELER 190.55

KANSAS TURNPIKE AUTHORITY
RECEIPT

CLASS: 02 AMOUNT \$ 3.25

ENTRY PLAZA: 127
EXIT PLAZA: 039

DATE: 06/10/98 TIME: 19:21:39

THANK YOU. HAVE A NICE DAY

Date 06/12/98
Time 08:27
Page 1

CLARION HOTEL AIRPORT
5805 W. KELLOGG
WICHITA, KANSAS
67209
(316) 342-7911

Acct# P61109-00
Room# 1074

Rate Code GR
Group
Room Type NDD
Room Rate 56.00

Arrive JUN 10 98 01:12
Depart JUN 12 98 08:27 KM

MACDONALD/JAMES

CHOICE HOTELS

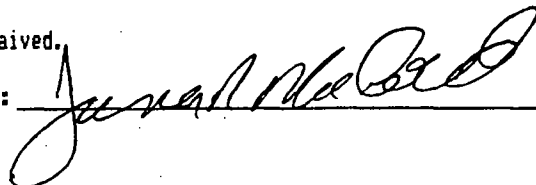
Payment AX 37838260781XXXX

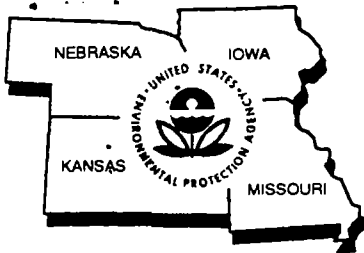
Exp: 11/98

Date	Description	Reference	Room	Charges	Credits
JUN 10	ROOM CHARGE			56.00	
JUN 10	STATE TAX			3.31	
JUN 10	CITY TAX			3.36	
JUN 11	LONG DISTANCE	913-551-5171		3.56	
JUN 11	LONG DISTANCE	913-551-7952		2.96	
JUN 11	LONG DISTANCE	816-796-4017		2.89	
JUN 11	LONG DISTANCE	816-650-6678		2.89	
JUN 11	ROOM CHARGE			56.00	
JUN 11	STATE TAX			3.31	
JUN 11	CITY TAX			3.36	
JUN 12	AMERICAN EXPRESS	CHECKED-OUT			137.64
Balance Due:				.00	

I agree that my liability for this bill is not waived.

I Authorize These Charges:





U.S. EPA
EMERGENCY RESPONSE
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115
SPILL LINE (913) 236-3778
FAX (913) 551-5035

SUBJECT _____
PAGE NUMBER _____ OF _____
PREPARED BY _____ DATE _____
ACTIVITY NUMBER _____

James MacDonald

June 10 1530

Depart LAB GOV

" 1930

arrive Wichita, KS

June 11

TDY

June 12 1300

Depart Wichita, KS GOV

1630

arrive LAB

Kansas 1-35 Turnpike - \$3.25

Hotel - 2 nights

\$62.67/night

Personal calls June 11 \$2.89

\$2.89

Business calls June 11 \$3.56

\$2.96



United States
Environmental Protection Agency
Washington, DC 20460

TRAVEL AUTHORIZATION

1. No. TA7WH8167		2. SOCIAL SECURITY NUMBER 4		3. TRAVEL AUTHORIZATION CODE: N	
4. TRAVEL AUTHORIZATION TYPE		5. TYPE OF TRAVEL BY NON-EPA TRAVELER		6. DATE 06/10/98	
<input checked="" type="checkbox"/> DOMESTIC		<input type="checkbox"/> INVITATIONAL			
<input type="checkbox"/> FOREIGN		INTERGOVERNMENTAL PERSONAL ACT (IPA)		7. APPLICABLE REGULATIONS:	
8A. NAME MACDONALD, JAMES R.			8B. TITLE ENVIRONMENTAL ENGINEER		
8A. OFFICIAL STATION KANSAS CITY KANSAS			8B. ORGANIZATION EPA0707SUPPORT		

10. TRIP INFORMATION					
A. FROM - DATES - TO			B. DESTINATION (Abbreviated)		C. PURPOSE CODE
MO DA YR			STATE CITY		
TRIP 1 06/10/98 06/12/98			KS HAYESVILLE		0
TRIP 2 06/12/98					
TRIP 3					
D. PURPOSE OF TRIP					
SITE VISIT					

E. ITINERARY AND OTHER DETAILS
To Conduct Air-Monitoring at the Hayesville Grain Elevator Site ESF #10

11. COST ESTIMATES FOR AUTHORIZED ALLOWANCES (Strike out incorrect OC Codes)				ADMN	TOTAL COST ESTIMATES BY CATEGORY
(PER DIEM AND SUBSISTENCE)				PROG	
X	A1. PER DIEM	75.00	PLUS AVERAGE COST OF LODGING NOT TO EXCEED	100.00	OBJECT CLASS
	A2. ACTUAL SUBSISTENCE NOT TO EXCEED			0.00	AMOUNT
	A3. ACTUAL SUBSISTENCE GSA HRGA		AREA		(A) 2111 2121 175.00
(OTHER ALLOWANCES)					
	B1. COMMON CARRIER-AIR				0.00
	B2. COMMON CARRIER-TRAIN,BUS,SHIP				
	B3. FIRST CLASS COMMON CARRIER				
	B4. EXCESS BAGGAGE	LBS.			(B) 2113 2123 0.00
X	C1. INTRACITY TRANSPORTATION (Taxi, limosine, bus, POV) AND OTHER INCIDENTAL COSTS				(C) 2117 2127 100.00
	D1. PRIVATELY OWNED VEHICLE (POV) (Auto, plane, etc.)		RATE (Cents/mile - Justification Req'd)		(D) 2114 2124 0.00
	E1. GSA CONTRACT RENTAL - BOAC #		<input type="checkbox"/> INTERCITY <input type="checkbox"/> TEMPORARY DUTY		(E) 2116 2126 0.00
	E2. COMMERCIAL CAR RENTAL		<input type="checkbox"/> INTERCITY <input type="checkbox"/> TEMPORARY DUTY		
	F1. GOVERNMENT-OWNED (GSA) RENTAL - BOAC		<input type="checkbox"/> INTERCITY <input type="checkbox"/> TEMPORARY DUTY		
	G1. REGISTRATION FEES				(G) 2544 2558 0.00

12. ADVANCE OF FUNDS APPLICATION (Note: Outstanding advances must be liquidated within 10 days of completion of trip. When travel is cancelled or indefinitely postponed, the amount of any outstanding advances must be repaid immediately. Unliquidated advances are subject to automatic payroll deductions.)		Total A1 through G1 (above)	275.00
		Total H1 through K1 (page 2)	
		Grand Total	275.00

A. TYPE	B. METHOD OF PAYMENT	C. MAIL CHECK TO: <input type="checkbox"/> OFFICE <input type="checkbox"/> HOME	OFFICE PHONE
<input type="checkbox"/> ORDINARY	<input type="checkbox"/> ATM	ADDRESS	913-551-7767
<input type="checkbox"/> CONTINUING	<input type="checkbox"/> CASH		
	<input type="checkbox"/> CHECK		

D. AMOUNT	E. SIGNATURE OF APPLICANT	13. TO BE COMPLETED BY SERVICING FINANCE OFFICE: <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED
F. CASH RECEIVED BY	G. DATE CASH RECEIVED	SIGNATURE (And reason for disapproval, if so checked)

14. AUTHORIZATION	
RECOMMENDING OFFICER	AUTHORIZATION OFFICER
NAME AND TITLE (Typed or electronically entered)	Authority is granted to travel and incur such expenses as may be necessary for this authorization in accordance with EPA policy and applicable regulations. I certify that this trip is essential to the Agency's mission.
SIGNATURE	NAME AND TITLE (Typed or electronically entered) ROBERT W. JACKSON CHIEF, ER&R
	SIGNATURE

15. Financial and Accounting Data									
DCN (Max 6)	Bud/FYs (Max 4)	Appropriation (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 8)	Site/Project (Max 8)	Cost Org/Code (Max 7)	Object Class (Max 4)	Amount (Dollars/Cents)	SFO
WH8169	98	BR	07W0X01	6FX			2121	175.00	[] (Max 2)
	98	BR	07W0X01	6FX			2127	100.00	

TREASURY TFS FORM 7306
OCTOBER 1975
6 TREASURY FRM 5000

STMT PAGE NO. 1

PAID BILLING STATEMENT FOR OPAC TRANSACTIONS

CUSTOMER AGENCY (OFFICE BILLED)	8-DIGIT STATION	PAYMENT DATE	BILL NO.
EPA REGION 7 726 MINNESOTA AVENUE KANSAS CITY , KS	68-01-1007	JUN 21, 1998	N0042283
66101-			

THE TOTAL AMOUNT SHOWN BELOW HAS BEEN CHARGED TO YOUR AGENCY STATION SYMBOL ON THE DATE OF PAYMENT INDICATED ABOVE.

REFERENCE NO.	SERVICES	AMOUNT
SEE ATTACHMENT	MOTOR POOL SERVICES	17,019.79

688/90108 2,138.11	687/80108 10,048.01	68X8221 570.12	68-20X8145 4,263.55
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TOTAL 17,019.79

*** BILLING OFFICE INFORMATION ONLY ***

OPAC AGENCY (BILLING OFFICE).	8-DIGIT STATION
GENERAL SERVICES ADMINISTRATION ACCOUNTS RECEIVABLE - 6BCRF 1500 E BANNISTER RD KANSAS CITY MO 64131	47-00-0016
ENTERED <u>IG</u> PROCESSED <u>7/23/98 am</u> APPROVED <u>W</u>	CLEARING ACCOUNT 47X4530 (126)

FOR STATEMENT INQUIRIES CALL OPAC REPRESENTATIVE:

TELEPHONE COMM 816-926-7037
FTS 816-926-7037
AUTOVON 465-7037

\$549.11

ENTERED IG
PROCESSED 7/23/98 am
APPROVED W

\$16,470.68

REC'D JUN 17 1998

GENERAL SERVICES ADMINISTRATION
INTERAGENCY FLEET MANAGEMENT DETAILED BILLING REGISTER
DETAILED LISTING OF OPAC CHARGES FOR MOTOR EQUIPMENT SERVICES

PAYSTATION.....	68011007	CUSTOMER	686000	STATEMENT NUMBER N0042283
EPA		ENVIRONMENTAL PROTECTION AGENCY		
REGION 7		ATTN: FINANCIAL MANAGEMENT		DATE BILLED 06/21/98
726 MINNESOTA AVENUE		726 MINNESOTA AVE	01	
KANSAS CITY KS	66101-	KANSAS CITY KS	66101-	AGENCY BUREAU CODE 68 04

D-O N-O-T P-A-Y T-H-E-S-E C-H-A-R-G-E-S - - - THESE CHARGES HAVE BEEN SETTLED THROUGH THE OPAC SYSTEM

										E									
DATE	BOAC	FED CD	FMC REG	CL	TAG	CUSTOMER SUPPLIED INFORMATION	SLS A CD	S * * M I L E A G E * * C B O D Y T	DAYS END	MILES START	DAY/MO USED	RATE	DAY/MO RATE	SPEC'L ACC	EQUIP	TOTAL AMOUNT			
0598	686000	06	01	71	15486✓		A1 2	7600	20166	19186	980	0	.220	280.00	.00	495.60			
0598	686000	06	01	71	17146✓		A1 2	7420	685	685	0	0	.315	358.00	J 30.00	388.00			
0598	686000	06	03	10	76441✓		A1 2	1200	22632	21339	1293	0	.100	149.00	.00	278.30			
0598	686000	06	03	10	89683✓		A1 2	1200	Y 7940	7375	565	0	.100	149.00	.00	205.50			
0598	686000	06	03	11	88293✓		A1 2	1150	55	112	57-	0	.100	386.00	.00	380.30			
0598	686000	06	03	11	88294		A1 2	1150	16	114	98-	0	.100	386.00	.00	376.20			
0598	686000	06	04	10	89878		A1 2	1200	Y 9569	8888	681	0	.100	149.00	.00	217.10			
0598	686000	06	01	10	89525✓		X2									50.24			
0598	686000	06	01	10	89525✓		X2									50.24CR			
0598	686000	06	01	41	17098		X1									99.77			
0598	686000	06	01	41	17098		X1									18.50CR			
0498	686000	06	03	10	45551		X1									47.70			
0498	686000	06	03	10	45552✓		X1									69.60			

FEDCODE	TOTAL.....	67,504	16,251.30
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0598 686000 78 06 01 10 89441✓	A1 2 1200	26060 24689	1371 0 .100 149.00 .00 286.10
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FEDCODE 78 TOTAL.....	1,371	286.10
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0598 686000 7B 06 01 43 52909	D1 4315	58229 58099	130 4 .160 11.25 .00 65.80
0598 686000 7B 06 01 43 63686	D1 4315	8122 7959	163 4 .160 11.25 .00 71.08

FEDCODE 7B TOTAL.....	293	136.88
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0598 686000 7F 06 01 41 30935	A1 2 4115	13328 12139	1189 0 .135 185.00 .00 345.51
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FEDCODE 7F TOTAL.....	1,189	345.51
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BOAC 686000 TOTAL.....	70,357	17,019.79
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PAYSTATION 68011007 TOTAL	70,357	17,019.79
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45-805 Eye-Ease
Made in USA

ENVY ASSIGNED VEHICLES

MONTH: June 1998

BAR CODE	1	2	3	4	5
	GENERAL		SITE SPECIFIC		KKX
TAG NUMBER	SUPERFUND AMT.		SUPERFUND AMT.		S&E
					AMT.
41 30923					
339.44		⊖		⊖	339.44
41 30924					
327.02		⊖		⊖	327.02
63 26425					
494.19		⊖		⊖	494.19
10 89441					
	0700BN00 8.97		07BNRV00 ✓ 46.43		BR-6FX
	0700BN00 ✓ 79.40		07TWRV00 ✓ 40.87		52.43
286.10					6TX-58.02
42 76026					
	0700BN00 ✓ 269.10		07ZZRV00 ✓ 16.87		
			07ZDRS00 ✓ 24.71		⊖
310.68					
41 17077					
	0700BN00 52.31		0726RV00 ✓ 184.96		
			07XGRV00 ✓ 16.87		⊖
254.14					



United States
Environmental Protection Agency
Washington, DC 20460

REC'D JUL 23 1998

MISCELLANEOUS OBLIGATION DOCUMENT

1. OBLIGATION(S) FOR THE MONTH/PERIOD OF May, 19 98

2. PURPOSE:

FY98 motorpool GSA - ~~STP ST (STG)~~ *ERM Reimbursable*
DeBruce Grain Elev. FEMA ESF-10

3.

- ☒ AN ORIGINAL OBLIGATION
☐ AN INCREASE TO A PREVIOUS OBLIGATION
☐ A DECREASE TO A PREVIOUS OBLIGATION
☐ CANCELATION OF A PREVIOUS OBLIGATION

L011

688/90/08

MAY07980044

4. Financial and Accounting Data

	DCN (Max 6)	Budget/FYs (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 6)	Object Class (Max 4)	SFO
1	W18173	98	BR	-0700	UFX	2/26	<div>(Max 2)</div>
2				07W0X51			
3							

	Amount (Dollars)	(Cents)	Sub/Project (Max 6)	Cost Org/Code (Max 7)
1	53	00	0700	
2				
3				

5. Certification

Certification of Funds Availability (Funds Certifying Official)

[Signature]
SIGNATURE

7/31/98
DATE

X7549
PHONE

PREPARED BY:

Alice V. Monson
(SIGNATURE)

DATE:

7/31/98

PHONE

x7387

APPROVED BY:

(SIGNATURE)

DATE:

PHONE

**SUPERFUND DIVISION
GSA-LEASED VEHICLES
COST SUMMARY
PER ACCOUNT NUMBER
MAY 16 - JUNE 15, 1998**

<u>Account/Site Name</u>	<u>Account Number</u>	<u>Total Costs</u>
General Training related activities	98 T 07W FAX 0700TH00	0.00
La Forte spill Chanute, KS. OPA	98 HR 07W P8X Z721	0.00
South Travis lease site OPA	98 HR 07W P8X Z717	0.00
MARCO Chanute, KS.	98 HR 07W P8X Z718	311.53
General Superfund FY98	98 T 07W FAX 0700BN00	1,844.67
CSA's/meth lab activities	98 T 07W FAX 0700BM00	35.30
Orkin site , Iowa	98 T 07W FAX 07TWRV00	40.87
DeBruce Grain Elev. FEMA ESF-10	98 BR 07W OX01 6FX	52.43
Tri county Airport site	98 T 07W FAX 07XSRS00	0.00
McDonnell Park (dioxin)	98 T 07W FAX 07YSRS00	0.00
Great lakes container in St. Louis.	98 T 07W FAX 0726RV00	497.66
Lemar Dioxin investigation	98 T 07W FAX 07YGRV00	0.00
Pool's Prairie site	98 T 07W FAX 07WTRV00	75.47
Castlewood site	98 T 07W FAX 07A8RV00	34.48
Bliss-Ellisville site	98 T 07W FAX 07A4RV00	24.34
Leavenworth mercury resp./removal.	98 T 07W FAX 07YQRV00	0.00
General Dioxin support	98 T 07W FAX 077CBM00	45.67
Newton county mines site	98 T 07W FAX 07RZRV00	299.69
Times Beach site.	98 T 07W FAX 0762RV00	0.00
OPA related activities	98 H 07W G7X Z700	212.79
Mizzou Painting site-Platte city MO.	98 T 07W FAX 07ZZRS27	0.00
Doherty's removal assessments	98 T 07W FAX 07ZZEA00	0.00
Zykan landfill site	98 T 07W FAX 07XGRV00	16.87
Tonnar Salvage, Missouri	98 T 07W FAX 07YMRV00	67.96
Grand Is. NE. response action.	98 T 07W FAX 07ZZRV28	0.00
Non site specific investigations.	98 T 07W FAX 07ZZRS00	40.15
Economy Prods. Shenandoah IA.	98 T 07W FAX 07PACO00	59.76
Huge' pesticides, St.Louis, MO	98 T 07W FAX 07XBRS00	129.40
North 16th St. drum site	98 T 07W FAX 07YJRV00	0.00
Carondolet Coke site.	98 T 07W FAX 07ZBRS00	0.00
General Removal activities (response)	98 T 07W FAX 07ZZRV00	50.25
Decorah FMGP site	98 T 07W FAX 07PQRV00	0.00
Iowa City FMGP site	98 T 07W FAX 07SNRV00	46.43
Lexington, MO FMGP site	98 T 07W FAX 07ZDRS00	24.71
Defiance Dump site	98 T 07W FAX 07SFRV00	0.00
State Wide Metal recyclers	98 T 07W FAX 07YKRV00	0.00
Perry-Lecompton Mercury spill resp.	98 T 07W FAX 07YMRV00	0.00
TOTAL COSTS		\$3,910.43

REC'D JUN 17 1998

EPA CONTRACTOR COSTS					
Contract Name: Contract Number: <u>68W60012</u>					
Company Name/ TDD Number(s)	Contractor Personnel Name(s)	Labor Costs	Travel Direct Costs	Other Direct Costs	Total
START CONTRACT 68W60012 TDD#: 07-98-06-0012					\$5,209.00

Total Contract Costs: \$5,209.00

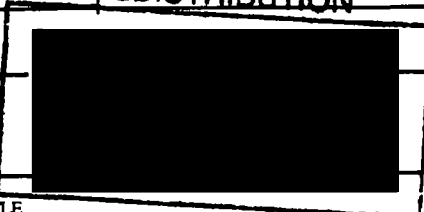
This IS /IS NOT X a final cost total.

The total is estimated to be \$6,945.00.


ATTACHMENTS:

- X Letter Report
- X Technical Direction Document(s) (TDDs) and Amendments
- X ESF #10 Regional Chair Certification and Invoice Summary
- X Acknowledgment of Completion (AOC)

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Standard Form 1034 Revised January 1980 Department of the Treasury 117-FRM 4-2000 1034-118		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL		VOUCHER NO. 0031	
U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION Environmental Protection Agency Financial Management Division (MD-32) Research Triangle Park, NC 27711 Attention: Administration		DATE VOUCHER PREPARED July 20, 1998		PAID BY	
		CONTRACT NUMBER AND DATE 68-W6-0012		DATE INVOICE RECEIVED	
		REQUISITION NUMBER AND DATE		DISCOUNT TERMS	
PAYEE'S NAME AND ADDRESS Ecology and Environment, Inc. 368 Pleasant View Drive Lancaster, NY 14086				PAYEE'S ACCOUNT NUMBER	
				GOVERNMENT B/L NUMBER	
SHIPPED FROM		TO		WEIGHT	
NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES (Enter description, item number of contract of Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE COST PER	AMOUNT
	5/31/98 thru 6/27/98	START TEAMS: REGION VII For Cost Details, See Attached COST REIMBURSABLE PROVISIONAL PAYMENT			\$475,083.77
"I certify that all payments requested are for appropriate purposes in accordance with the agreements set forth in the contract."					
NAME OF OFFICIAL: <i>regurken</i>			START REGION VII PROGRAM MANAGER		
(Use continuation sheet(s) if necessary) (Payee must NOT use the space below)				TOTAL \$475,083.77	
PAYMENT:		APPROVED FOR = \$	EXCHANGE RATE = \$1.00	DIFF. RENCES	
— PROVISIONAL — COMPLETE — PARTIAL — FINAL — PROGRESS — ADVANCE		BY ²		82798 GN	
				Amount verified; correct for	
		TITLE <i>Usa original</i>	(Signature or initials)		
Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment.					
(Date)		(Authorized Certifying Officer) ²		(Title)	
ACCOUNTING CLASSIFICATION					
PAID BY		CHECK NUMBER	ON ACCOUNT OF U.S. TREASURY	SITE SPECIFIC REDISTRIBUTION	
		CASH \$	DATE	ON (Name of bank)	
1 When stated in foreign currency, insert name of currency.			PER		
2 If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title.			TITLE		
3 When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example, "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.					

PRIVACY ACT STATEMENT
The information requested on this form is required under the provisions of 31 U.S.C. 82b and 82c for the purpose of insuring Federal money. The information requested is to identify the particular creditor and the amounts to be paid. Failure to furnish this information will hinder discharge of the payment obligation.

Payment Based:




United States Environmental Protection Agency

PROJECT OFFICER INVOICE APPROVAL

Date Due To RTP-FMC 08/26/98

Accounting Distribution Information

(as of 08/11/98)

Contract.....	68W60012	Invoice Amount.....	\$475,083.77
Contract Period.....	BASE	Less: Discounts.....	\$0.00
Delivery Order.....		Holdbacks.....	\$0.00
		Suspensions.....	\$0.00
Invoice.....	31	Net Invoice Amount.....	\$475,083.77
Date Invoice Received.....	08/10/98	(per RTP-FMC's Initial Review)	
Performance Period	05/31/98 - 06/27/98		

Last Invoice Audited by RTP-FMC..	30	Last Funding Document.....	MOD 31
--Date Completed.....	07/09/98	--Date Processed By RTP-FMC:	08/06/98
--Approved Payment Amount.....	\$463,149.42	Total Funds Obligated.....	\$16,479,402.86
Cumulative Invoice Amounts Paid....	\$9,844,382.58	Total Funds Remaining.....	\$6,635,020.28

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AAL	AEC003	9697	B	E2A	BR2			2505	\$218.70	
AHN	EAR265	9697	B	75E	BPU			2505	\$43,727.22	
AAB	PP0014	96	H	72P	HG7			2505	\$81.57	
AAJ	PP0034	96	H	72P	HG7			2505	\$292.30	
AFB	PP0053	96	H	72P	HG7			2505	\$14,947.94	838.44
AKO	PP0102	96	H	72P	HG7			2505	\$10,716.65	
AWK	W10027	97	HR	07W0X13	P8X			2505	\$13,671.93	
AXH	W10043	97	HR	07W	P8X			2505	\$341.22	
AZS	W10076	97	HR	07W0X15	P8X			2505	\$6,029.48	
AZU	W10079	9798	B	07W	J1X			2583	\$22,180.24	176.45

(Refer to continuation page/s for additional accounts)

☐ Check here if there are attachments supporting the accounting distribution information

Invoice Approving Official Certification

I have reviewed the invoice submitted by the contractor and other supporting financial data readily available to me. Although this does not imply that a thorough detailed audit has been performed, to the best of my knowledge I have determined this payment is in accordance with the contract terms and limitations and that either: 1) sufficient progress has been made by the contractor, costs appear to be reasonable and appropriate, or 2) goods or services have been delivered in full from the contractor. I acknowledge that any knowingly false or misleading representation may be punishable by fine or imprisonment or both under applicable law.

☒ Approved, as submitted by RTP-FMC to the Approving Official ☐ # Approved, with suspension by the Approving Official ☐ # Disapproved by the Approving Official

* All Superfund "WQ" accounts must be distributed to specific sites on invoice attachment.

Complete EPA Form 1900-68 and attach a copy with the "Return Form".

Signature

Date

Bar Code:

(ADA)

PAUL E. DOHERTY
913 551-7924 FAX: 913 551-7063 EMAIL: DOHERTY.PAUL

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 31

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AKN W10134	96	H		07W	HG7			2505	\$71,823.66	1637 72
A2P W10155	97	HR		07W0X08	P8X			2505	\$1,997.28	
BBT W18151	98	BR		07W0X01	6FX			2505	\$7,500.00	3480 79
AAC EAR052	96	T		75E	TFA	HQC0BM00		2505	\$19.05	19 05
A7P EAR141	98	T		75E	FAX	HQC0BM00		2505	\$25,692.09	25692 09
AGO EAR158	96	T		75E	TFA	HQC0BM00		2505	\$691.92	691 92
AHO EAR279	96	T		75E	TFA	HQC0BM00		2505	\$788.32	568 92
AAF DB0004	96	T		72D	TFA	HQ00BM00		2505	\$101.92	
AAE DB0008	96	T		72D	TFA	HQ00BM00		2505	\$36.61	
AUI EAR127	97	T		75E	FAX	HQ00BM00		2505	\$56.03	56 03
BDW SCX001	98	T		72K	FAX	HQ00BM00		2501	\$12,000.00	
AAA DA0004	96	T		72D	TFA	HQ00JT00		2505	\$159.30	49 83
AFA DA0021	96	T		72D	TFA	HQ00JT00		2505	\$36.03	
AJK DA0029	96	T		72D	TFA	HQ00JT00		2505	\$19,488.41	
AKK DA0049	96	T		72D	TFA	HQ00JT00		2505	\$6,241.69	422 25
AAH DB0016	96	T		72D	TFA	HQ00JT00		2505	\$1,034.06	
A5K W18014	98	HR		07W	P8X	Z717		2505	\$754.03	
A70 W18045	98	HR		07W	P8X	Z718		2505	\$239,425.71	17566 67
BBQ W18126	98	HR		07W	P8X	Z721		2505	\$13,914.18	2494 02
BDX W18165	98	HR		07W	P8X	Z723		2505	\$5,000.00	
A3P W10138	97	T		07W0F	FAX	07AWLW01	C002	2505	\$0.81	
AUH W50011	97	T		7AW0J	FAX	07CSGM01	C001	2505	\$1,182.19	899 79
BE5 W98085	98	T		7AW0J	FAX	07CSRS00	C004	2505	\$50,000.00	
A3U W10132	97	T		7AW0J	FAX	07HWC001	C001	2505	\$29,733.21	
BAO W98047	98	T		7AW0E	FAX	07JJBB00	C001	2505	\$3,404.42	3404 42
BBB W98056	98	T		7AW0E	FAX	07JJBB00	C001	2505	\$22,500.00	
BBC W98055	98	T		7AW0E	FAX	07JLBB00	C001	2505	\$7,500.00	
ARH W50005	97	T		7AW0E	FAX	07NYBB01	C005	2505	\$40,806.17	
BBR W98068	98	T		7AW0J	FAX	07WCHR00	C001	2505	\$52,500.00	
AAM W10004	96	T		7AW0E	TFA	07WQBN00		2505	\$322.94	12 10
AHQ W10005	96	T		7AW0E	TFA	07WQBN00		2505	\$3,641.13	
AZT W10063	97	T		7AW0E	FAX	07WQBN00	C052	2505	\$17.11	9 00
A2L W10081	97	T		7AW0J	FAX	07WQBN00	C052	2505	\$32,909.01	144039 40
AAK W20040	96	T		7AW0E	TFA	07WQBN00		2505	\$21,825.44	
AKL W20122	96	T		7AW0E	TFA	07WQBN00		2505	\$393,495.27	5763 03

(Refer to continuation page/s for additional accounts)

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 31

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
A1X	W10090	97	T	7AW0J	FAX	07WQBZ00*	C052	2505	\$258,839.86	1596.35
AAI	W10002	96	T	7AW0J	TFA	07WQEA00*		2505	\$1,569.77	
AE8	W10006	96	T	7AW0J	TFA	07WQEA00*		2505	\$2,803.75	
AYS	W10052	97	T	7AW0J	FAX	07WQEA00*	C052	2505	\$1,132,060.76	136286.53
AKM	W20122	96	T	7AW0J	TFA	07WQEA00*		2505	\$7.81	
A1Y	W10091	97	T	7AW0J	FAX	07WQLA00*	C007	2505	\$22,947.45	
A7Q	W98026	98	T	7AW0E	FAX	07WQLA00*	C007	2505	\$117,608.90	10977.61
AXI	W10039	97	T	7AW0J	FAX	07WQQB00*	C052	2505	\$231,547.76	16467.25
BBU	W18149	98	T	07W0F	FAX	07WQQB00*	C061	2505	\$100,000.00	
A98	W98036	98	T	7AW0J	FAX	07WQWQ00*	C001	2505	\$2,306,042.23	92759.93
BBE	W98062	98	T	7AW0J	FAX	07WSTS00	C001	2505	\$75,000.00	
A3L	W10164	97	T	07W0F	FAX	07WTGS00	C001	2505	\$107,822.24	0.53
A2N	W10183	97	TR2	07W	UBX	07X4BE01	C001	2505	\$5,500.00	
A20	W10184	97	TR2	07W	UBX	07X4BF01	C001	2505	\$1,570.07	272.21
RF6	W18168	98	TR2	07W	UBX	07X4BF01	C001	2505	\$10,000.00	
AGP	W50004	96	T	07W	TGB	07X4GE00		2505	\$1,935.41	
A3Q	W10224	97	T	07W0F	FAX	07Y8LW01	C001	2505	\$4.71	
AAD	W10001	96	T	7AW0J	TFA	07ZZEA00		2505	\$0.31	
A3K	W10117	97	T	7AW0J	FAX	0700BN00	C052	2505	\$0.01	
A3R	W10230	97	T	07W	FAX	0700BN00		2505	\$36,321.31	109.77
A2M	W10097	97	T	7AW0R	FAX	0708BF02	C003	2505	\$4,651.62	3632.11
A3S	W10163	97	T	07W0F	FAX	072XLV01	C002	2505	\$50,000.00	
A3T	W10163	97	T	07W0F	FAX	072XLW01	C001	2505	\$30,000.00	
BBS	W18122	98	T	07W0F	FAX	078GGS00	C001	2505	\$59,981.07	4959.57

TOTAL DISTRIBUTED

4475083.77

\$ 475,083.78

(+ 1¢ ROUNDING ERROR)

Voucher 31	\$838.44	\$176.45	\$1,637.72	\$3,480.79	\$19.05	\$25,692.09	\$691.92	\$568.92	\$56.03	\$49.83	\$422.25	\$17,566.67	\$2,494.02	\$899.79	\$3,404.42	\$12.10	\$9.00	\$144,039.40	\$5,963.03	\$1,596.35	\$36,286.53	\$10,977.61	\$16,467.25	\$92,759.93	\$0.53	\$272.21	\$109.77	\$3,632.11	\$4,959.57	\$475,083.78
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Standard Form 1034 Revised January 1980 Department of the Treasury I TFRM 4-2000 1034-118		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL		VOUCHER NO. 0032		
				SCHEDULE NO.		
U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION Environmental Protection Agency Financial Management Division (MD-32) Research Triangle Park, NC 27711 Attention: Administration		DATE VOUCHER PREPARED August 25, 1998		PAID BY		
		CONTRACT NUMBER AND DATE 68-W6-0012		DATE INVOICE RECEIVED		
		REQUISITION NUMBER AND DATE		DISCOUNT TERMS		
PAYEE'S NAME AND ADDRESS Ecology and Environment, Inc. 368 Pleasant View Drive Lancaster, NY 14086		PAYEE'S ACCOUNT NUMBER				
		GOVERNMENT B/L NUMBER				
SHIPPED FROM		TO		WEIGHT		
NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES (Enter description, item number of contract of Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE		AMOUNT
				COST	PER	
	6/28/98 thru 8/01/98	START TEAMS: REGION VII For Cost Details, See Attached COST REIMBURSABLE PROVISIONAL PAYMENT				\$725,716.92
"I certify that all payments requested are for appropriate purposes in accordance with the agreements set forth in the contract."						
NAME OF OFFICIAL: <i>PCO</i> START REGION VII PROGRAM MANAGER						
(Use continuation sheet(s) if necessary) (Payee must NOT use the space below) TOTAL \$725,716.92						
PAYMENT: <input type="checkbox"/> PROVISIONAL <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL <input type="checkbox"/> PROGRESS <input type="checkbox"/> ADVANCE		APPROVED FOR = \$	EXCHANGE RATE = \$1.00	DIFFERENCES		
		BY ²		Amount verified; correct for		
				(Signature or initials)		
		TITLE				
Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment.						
_____ (Date) _____ (Authorized Certifying Officer) ² _____ (Title)						
ACCOUNTING CLASSIFICATION						
PAID BY	CHECK NUMBER		ON ACCOUNT OF U.S. TREASURY		CHECK NO.	
	CASH \$		DATE		PAYEE	
¹ When stated in foreign currency, insert name of currency. ² If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title. ³ When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.			PER TITLE			

**SITE SPECIFIC
REDISTRIBUTION**

PRIVACY ACT STATEMENT

The information requested on this form is required under the provisions of 31 U.S.C. 82b and 82c, for the purpose of disbursing Federal money. The information requested is to identify the particular creditor and the amounts to be paid. Failure to furnish this information will hinder discharge of the payment obligation.



United States Environmental Protection Agency

PROJECT OFFICER INVOICE APPROVAL

Date Due To RTP-FMC 10/14/98

Accounting Distribution Information

(as of 09/29/98)

Contract.....	68W60012	Invoice Amount.....	\$725,716.92
Contract Period.....	BASE	Less: Discounts.....	\$0.00
Delivery Order.....		Holdbacks.....	\$0.00
		Suspensions.....	\$0.00
Invoice.....	32	Net Invoice Amount.....	\$725,716.92
Date Invoice Received.....	09/28/98	(per RTP-FMC's Initial Review)	
Performance Period	06/28/98 - 08/01/98		

Last Invoice Audited by RTP-FMC..	31	Last Funding Document.....	MOD 32
--Date Completed.....	08/27/98	--Date Processed By RTP-FMC:	09/09/98
--Approved Payment Amount.....	\$475,083.77	Total Funds Obligated.....	\$18,104,402.86
Cumulative Invoice Amounts Paid....	\$10,319,466.35	Total Funds Remaining.....	\$7,784,936.51

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AAL	AEC003	9697	B	E2A	BR2			2505	\$218.70	
AHN	EAR265	9697	B	75E	BPU			2505	\$43,727.22	
AAB	PP0014	96	H	72P	HG7			2505	\$81.57	
AAJ	PP0034	96	H	72P	HG7			2505	\$292.30	235.27
AFB	PP0053	96	H	72P	HG7			2505	\$14,109.50	1771.22
AKO	PP0102	96	H	72P	HG7			2505	\$10,716.65	
AWK	W10027	97	HR	07W0X13	P8X			2505	\$13,671.93	
AXH	W10043	97	HR	J7W	P8X			2505	\$341.22	
AZS	W10076	97	HR	07W0X15	P8X			2505	\$6,029.48	0.81
AZU	W10079	9798	B	07W	J1X			2583	\$22,003.80	4.86

(Refer to continuation page/s for additional accounts)

☐ Check here if there are attachments supporting the accounting distribution information

Invoice Approving Official Certification

I have reviewed the invoice submitted by the contractor and other supporting financial data readily available to me. Although this does not imply that a thorough detailed audit has been performed, to the best of my knowledge I have determined this payment is in accordance with the contract terms and limitations and that either: 1) sufficient progress has been made by the contractor, costs appear to be reasonable and appropriate, or 2) goods or services have been delivered in full from the contractor. I acknowledge that any knowingly false or misleading representation may be punishable by fine or imprisonment or both under applicable law.

☐ Approved, as submitted by RTP-FMC to the Approving Official ☐ # Approved, with suspension by the Approving Official ☐ # Disapproved by the Approving Official

* All Superfund "WQ" accounts must be distributed to specific sites on invoice attachment.

Complete EPA Form 1900-68 and attach a copy with the "Return Form".

Signature: Date: 10/12/98

Bar Code:

(ADA)

PAUL E. DOHERTY
913 551-7924 FAX: 913 551-7063 EMAIL: DOHERTY.PAUL

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 32

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AKN W10134	96	H		07W	HG7			2505	\$70,185.94	30 25 75
A2P W10155	97	HR		07W0X08	P8X			2505	\$1,997.28	
BBT W18151	98	BR		07W0X01	6FX			2505	\$4,019.21	1728 21
AHO EAR279	96	T		75E	TFA	HQCOBM00		2505	\$219.40	219 38
AAF DB0004	96	T		72D	TFA	HQ00BM00		2505	\$101.92	17 71
AAE DB0008	96	T		72D	TFA	HQ00BM00		2505	\$36.61	1 27
BDW SCX001	98	T		72K	FAX	HQ00BM00		2501	\$12,000.00	
AAA DA0004	96	T		72D	TFA	HQ00JT00		2505	\$109.47	95 34
AFA DA0021	96	T		72D	TFA	HQ00JT00		2505	\$36.03	20 80
AJK DA0029	96	T		72D	TFA	HQ00JT00		2505	\$19,488.41	13 98
AKK DA0049	96	T		72D	TFA	HQ00JT00		2505	\$5,819.44	(352 37)
AAH DB0016	96	T		72D	TFA	HQ00JT00		2505	\$1,034.06	48 73
A5K W18014	98	HR		07W	P8X	Z717		2505	\$754.03	
A70 W18045	98	HR		07W	P8X	Z718		2505	\$221,859.04	12740 96
BBQ W18126	98	HR		07W	P8X	Z721		2505	\$11,420.16	1085 30
BDX W18165	98	HR		07W	P8X	Z723		2505	\$5,000.00	4048 10
A3P W10138	97	T		07W0F	FAX	07AWLW01	002	2505	\$0.81	
AUH W50011	97	T		7AW0J	FAX	07CSGM01	C001	2505	\$282.40	184 65
BE5 W98085	98	T		7AW0J	FAX	07CSRS00	C004	2505	\$50,000.00	
A3U W10132	97	T		7AW0J	FAX	07HWC001	C001	2505	\$29,733.21	0 01
BBD W98056	98	T		7AW0E	FAX	07JJB00	C001	2505	\$22,500.00	8794 65
BBC W98055	98	T		7AW0E	FAX	07JLB00	C001	2505	\$7,500.00	
ARH W50005	97	T		7AW0E	FAX	07NYBB01	C003	2505	\$40,806.17	
BFN W98093	98	T		7AW0J	FAX	07SNHR00	C001	2505	\$50,000.00	
BBR W98068	98	T		7AW0J	FAX	07WCHR00	C001	2505	\$52,500.00	
AAM W10004	96	T		7AW0E	TFA	07WQBN00*		2505	\$310.84	0 62
AHQ W10005	96	T		7AW0E	TFA	07WQBN00*		2505	\$3,641.13	0 81
AZT W10063	97	T		7AW0E	FAX	07WQBN00*	C052	2505	\$8.11	(120 78)
A2L W10081	97	T		7AW0J	FAX	07WQBN00*	C052	2505	\$788,869.61	138676 29
AAK W20040	96	T		7AW0E	TFA	07WQBN00*		2505	\$21,825.44	
AKL W20122	96	T		7AW0E	TFA	07WQBN00*		2505	\$387,532.24	(7090 20)
A1X W10090	97	T		7AW0J	FAX	07WQBZ00*	C052	2505	\$257,243.51	1556 66
AAI W10002	96	T		7AW0J	TFA	07WQEA00*		2505	\$1,564.77	227 29
AE8 W10006	96	T		7AW0J	TFA	07WQEA00*		2505	\$2,803.75	
AYS W10052	97	T		7AW0J	FAX	07WQEA00*	C052	2505	\$995,774.23	231831 14

98 OCT 14 AM 10:00

(Refer to continuation page/s for additional accounts)

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 32

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AKM	W20122	96	T	7AW0J	TFA	07WQEA00*		2505	\$7.81	(25 23)
A1Y	W10091	97	T	7AW0J	FAX	07WQLA00* C007		2505	\$22,947.45	
A7Q	W98026	98	T	7AW0E	FAX	07WQLA00* C007		2505	\$106,631.29	3368 69
AXI	W10039	97	T	7AW0J	FAX	07WQBB00* C052		2505	\$215,080.51	16201 17
BBU	W18149	98	T	07W0F	FAX	07WQBB00* C061		2505	\$100,000.00	
A98	W98036	98	T	7AW0J	FAX	07WQWQ00* C001		2505	\$3,213,282.30	275787 75
BBE	W98062	98	T	7AW0J	FAX	07WSTS00 C001		2505	\$75,000.00	
A3L	W10164	97	T	07W0F	FAX	07WTGS00 C001		2505	\$107,821.71	176 67
A2N	W10183	97	TR2	07W	UBX	07X4BE01 C001		2505	\$5,500.00	
A20	W10184	97	TR2	07W	UBX	07X4BF01 C001		2505	\$1,297.86	106 18
BE6	W18168	98	TR2	07W	UBX	07X4BF01 C001		2505	\$10,000.00	
AGP	W50004	96	T	07W	TGB	07X4GE00		2505	\$1,935.41	
A3Q	W10224	97	T	07W0F	FAX	07Y8LW01 C001		2505	\$4.71	
AAD	W10001	96	T	7AW0J	TFA	07ZZEA00		2505	\$0.31	
BFM	W18149	98	T	07W0F	FAX	07ZZQB00 C061		2505	\$175,000.00	
A3K	W10117	97	T	7AW0J	FAX	0700BN00 C052		2505	\$0.01	
A3R	W10230	97	T	07W	FAX	0700BN00		2505	\$36,211.54	430 29
BFP	W18161	98	T	0700D	FAX	0700BZ00 C002		2505	\$100,000.00	
BFO	W18162	98	T	0700D	FAX	0700BZ00 C002		2505	\$300,000.00	
A2M	W10097	97	T	7AW0R	FAX	0708BF02 C003		2505	\$1,019.51	1019 51
A3S	W10163	97	T	07W0F	FAX	072XLV01 C002		2505	\$50,000.00	
A3T	W10163	97	T	07W0F	FAX	072XLW01 C001		2505	\$30,000.00	
BBS	W18122	98	T	07W0F	FAX	078GGS00 C001		2505	\$55,021.50	7884 73

TOTAL DISTRIBUTED

~~725,716.92~~

* 725,716.90 *

* - 2¢ ROUNDING ERROR

08-03-01 1908 220

0114

PED
10/12/98

DCN SUMMARY

Jul-98

Invoice Number: 32

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
AEC003	CERCLA/SARA	26,000.00	-	-	-	25,781.30	218.70
DA0004	CERCLA/SARA	300,000.00	91.26	4.08	95.34	299,985.87	14.13
DA0021	CERCLA/SARA	200,000.00	19.91	0.89	20.80	199,984.77	15.23
DA0029	CERCLA/SARA	893,714.00	13.38	0.60	13.98	893,707.99	6.01
DA0049	CERCLA/SARA	496,508.00	(337.32)	(15.07)	(352.39)	490,705.07	5,802.93
DB0004	CERCLA/SARA	320,000.00	16.95	0.76	17.71	319,915.78	84.22
DB0008	CERCLA/SARA	320,000.00	1.22	0.05	1.27	319,991.65	8.35
DB0016	CERCLA/SARA	350,000.00	46.65	2.08	48.73	349,673.37	326.63
EAR052	CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR127	CEPP	160,000.00	-	-	-	160,000.00	0.00
EAR141	CEPP	160,000.00	-	-	-	160,000.00	(0.00)
EAR158	CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR158	CEPP	20,000.00	-	-	-	20,000.00	0.00
EAR265	CEPP	50,000.00	-	-	-	6,272.77	43,727.23
EAR279	CEPP	85,000.00	210.00	9.38	219.38	85,000.00	0.00
PP0014	OPA	10,000.00	-	-	-	9,918.42	81.58
PP0034	OPA	25,000.00	225.21	10.06	235.27	24,942.99	57.01
PP0053	OPA	40,000.00	1,696.13	75.79	1,771.92	27,662.41	12,337.59
PP0102	OPA	20,000.00	-	-	-	9,283.34	10,716.66
W10001	CERCLA/SARA	50,000.00	-	-	-	49,999.70	0.30
W10002	CERCLA/SARA	50,000.00	217.57	9.72	227.29	48,657.51	1,342.49
W10004	CERCLA/SARA	50,000.00	0.59	0.03	0.62	49,689.78	310.22
W10005	CERCLA/SARA	500,000.00	0.78	0.03	0.81	499,410.15	589.85
W10006	CERCLA/SARA	50,000.00	-	-	-	47,196.25	2,803.75
W10008	CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
W10016	CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
W10027	OPA - SITE SPECIFIC	30,000.00	-	-	-	16,328.07	13,671.93
W10038	CERCLA/SARA	100,000.00	-	-	-	100,000.00	(0.00)
W10039	CERCLA/SARA - Site Assessment	250,000.00	15,508.20	692.97	16,201.17	51,120.66	198,879.34
W10041	OPA - SITE SPECIFIC	8,000.00	-	-	-	8,290.11	(290.11)
W10043	OPA - SITE SPECIFIC	5,000.00	-	-	-	4,629.21	370.79
W10052	CERCLA/SARA - Site Assessment	1,910,440.00	221,915.08	9,916.06	231,831.14	1,146,600.92	763,839.08
W10063	CERCLA/SARA - Removal	680,000.00	(115.61)	(5.17)	(120.78)	679,871.11	128.89
W10076	OPA - SITE SPECIFIC	13,250.00	0.78	0.03	0.81	7,250.92	5,999.08
W10079	COMM. BASED ENVIRONMENTAL ACTIVITIES	30,000.00	4.65	0.21	4.86	8,001.08	21,998.92
W10081	CERCLA/SARA - Removal	1,500,000.00	132,744.72	5,931.57	138,676.29	849,806.68	650,193.32
W10090	CERCLA/SARA - Brownfields	300,000.00	1,490.08	66.58	1,556.66	44,313.16	255,686.84
W10091	CERCLA/SARA - Dioxin Air Sample Analysis	100,000.00	-	-	-	77,052.56	22,947.44
W10097	CERCLA - REMOVAL SITE SPECIFIC	75,000.00	975.91	43.61	1,019.51	75,000.00	0.00
W10105	CERCLA/SARA	250,000.00	-	-	-	250,000.00	0.00
W10117	CERCLA/SARA - Hazcat OSC Training	3,000.00	-	-	-	3,000.00	0.00
W10132	CERCLA/SARA - Site Specific	29,960.00	0.01	0.00	0.01	226.81	29,733.19
W10134	OPA	100,000.00	2,896.33	129.42	3,025.75	32,839.85	67,160.15
W10138	CERCLA/SARA - Site Specific	205.00	-	-	-	315.97	(110.97)
W10155	OPA - SITE SPECIFIC	2,500.00	-	-	-	502.72	1,997.28
W10163	CERCLA/SARA	80,000.00	-	-	-	0.00	80,000.00

DCN SUMMARY

Jul-98

Invoice Number: 32

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
W10164	CERCLA/SARA - Site Specific	130,000.00	169.11	7.56	176.67	22,354.96	107,645.04
W10183	CERCLA - REMOVAL SITE SPECIFIC	5,500.00	-	-	-	0.00	5,500.00
W10184	CERCLA/SARA - Site Specific	15,000.00	101.64	4.54	106.18	13,808.33	1,191.67
W10224	CERCLA/SARA - Remedial Site Specific	94.86	-	-	-	90.18	4.68
W10230	CERCLA/SARA - Counter Terrorism Training	40,000.00	411.89	18.40	430.29	4,218.75	35,781.25
W18014	OFA - SITE SPECIFIC	2,000.00	-	-	-	1,243.95	756.05
W18045	OFA - SITE SPECIFIC	285,120.00	12,195.99	544.97	12,740.96	76,001.92	209,118.08
W18151	CEMA REIMBURSABLE	7,500.00	1,654.29	73.92	1,728.21	5,209.00	2,291.00
W18165	CERCLA/SARA - Site Specific	5,000.00	3,874.95	173.15	4,048.10	4,048.10	951.90
W18122	CERCLA/SARA - Site Specific	60,000.00	9,461.93	422.80	9,884.73	14,863.22	45,136.78
W18126	OFA - SITE SPECIFIC	4,000.00	1,038.88	46.42	1,085.30	3,665.15	334.85
W18122(R)	CERCLA/SARA	50,000.00	-	-	-	28,174.55	21,825.45
W20122(S)	CERCLA/SARA - Removal	1,650,000.00	(6,786.93)	(303.27)	(7,090.20)	1,255,379.57	394,620.43
W20122(S)	CERCLA/SARA - Site Assessment	650,000.00	(24.15)	(1.08)	(25.23)	649,966.97	33.03
W50004	CERCLA/SARA	5,000.00	-	-	-	3,064.58	1,935.42
W50003	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	-	-	-	9,193.83	40,806.17
W50011	CERCLA - REMOVAL SITE SPECIFIC	60,000.00	176.75	7.90	184.65	59,902.23	97.77
W70004	CERCLA - REMOVAL SITE SPECIFIC	15,000.00	-	-	-	15,000.00	0.00
W98014	CERCLA/SARA - Analytical Support Services	150,000.00	-	-	-	150,000.00	0.00
W98026	CERCLA/SARA - Analytical Support Services	300,000.00	3,224.60	144.09	3,368.69	196,737.40	103,262.60
W98036	CERCLA/SARA	1,400,000.00	283,136.09	12,651.66	295,787.75	482,505.44	917,494.56
W98047	CERCLA - REMOVAL SITE SPECIFIC	12,000.00	-	-	-	12,000.00	0.00
W98055	CERCLA/SARA - Site Specific	7,500.00	-	-	-	0.00	7,500.00
W98056	CERCLA/SARA - Site Specific	10,000.00	8,418.48	376.17	8,794.65	8,794.65	1,205.35
W98062	CERCLA/SARA - Site Specific	75,000.00	-	-	-	0.00	75,000.00
TOTALS		15,232,291.86	694,676.00	31,040.92	725,716.92	11,069,151.70	



ecology and environment, inc.

International Specialists in the Environment

Cloverleaf Building 3, 6405 Metcalf
Overland Park, Kansas 66202
Tel: (913) 432-9961. Fax: (913) 432-0670

August 25, 1998

U.S. Environmental Protection Agency
Financial Management Division (MD-32)
Accounts Payable
Research Triangle Park, NC 27711

Attn: Administrative Audit Section/Accounts Payable

RE: EPA Contract 68-W6-0012
Public Voucher #032 with Supporting Documents
Period from June 28, 1998 through August 1, 1998

Dear Sir or Madam:

Enclosed please find E & E's Public Voucher #032 for the period from June 28, 1998 through August 1, 1998, Site Specific Invoice Detail, and Summary Invoice Table, which covers services performed by our firm for the referenced contract.

If you have any questions regarding the preparation of this report, please contact me at (913) 432-9961.

Sincerely,

ECOLOGY AND ENVIRONMENT, INC.

Hieu Q. Vu, P.E., CHMM
START Region VII Program Manager

Enclosures

cc: Contracting Officer
Project Officer
START Region VII file
E & E Accounting Department



ecology and environment, inc.

International Specialists in the Environment

Cloverleaf Building 3, 6405 Metcalf

Overland Park, Kansas 66202

Tel: (913) 432-9961. Fax: (913) 432-0670

MEMORANDUM

TO: Paul Doherty, EPA/START PO

FROM: Randy Schademann, E & E/STM *u-f*

THRU: Hieu Q. Vu, P.E., CHMM, E & E/START PM *ELW for*

DATE: September 14, 1998

SUBJECT: Emergency Response: DeBruce Grain Elevator Explosion, Haysville, Kansas

CERCLIS ID No.: None

TDD: S07-9806-012

PAN: 0931DGTFXX

EPA/OSC: Jim MacDonald

INCIDENT

On June 10, 1998, the Ecology and Environment, Inc. (E & E), Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division (SUPR) to provide emergency assistance with sampling and monitoring activities near Haysville, Kansas, where an explosion at a grain elevator had occurred earlier in the week. The request for EPA assistance was made by Dianne Wilson of the Federal Emergency Management Agency (FEMA) after the incident had been proclaimed a federal disaster. FEMA requested EPA's assistance with determining whether rescue workers were being exposed to hazardous constituents in the ambient air. START members (STMs) Randy Schademann, Ingrid Setzler, and Jeff Fletcher responded to the incident on June 10, 1998. Jim MacDonald served as the Region 7 EPA on-scene coordinator (OSC).

RESPONSE

Chronology of Events Prior to the Arrival of START and EPA

The following chronology and associated information was primarily developed from information obtained from FEMA:

The Region 7 FEMA office initially received a report of a grain elevator explosion at the DeBruce Grain Elevator (DGE) facility at 0950 hours on June 8, 1998. The DGE is located approximately 1.5 miles northwest of Haysville, Kansas (Attachment A; Figure 1: Site Location Map). DGE's Haysville facility is one of the nation's largest, consisting of 246 circular concrete bins that measure 30 feet in diameter by approximately 115 feet in height (Attachment B; Photographic Record: Roll 2/Frame 15 [2/15]). The capacity of the circular bins is augmented by eight rectangular grain storage buildings that are up to 740 feet long by approximately 140 feet wide (Attachment A; Figure 2: Site Map). The circular bins are arranged in three rows. Grain movement through the facility is accomplished by a series of underground conveyors. Two conveyors are located in tunnels underneath the circular bins (Figure 2). The tunnels are approximately 7 feet by 7 feet and underlie the entire length of the silos. Grain could be dumped from the bottom of the circular bins onto the conveyors and the grain could be transported to a central processing unit called the head house. From the head house, the grain could be elevated and dispersed to trucks or railcars. At the time this report was prepared, the explosion is thought to have been caused by the ignition of grain dust in the head house. Grain dust explosions usually start with a relatively small explosion, which dislodges additional dust, which in turn is ignited by the initial blast. The result is an escalating series of consecutive blasts. The blasts created massive damage to the head house (Photographic Record: 1/3) and the southern end of the complex (Photographic Record: 2/14).

By 1600 hours on June 8, the state of Kansas had formally requested FEMA's Urban Search and Rescue (US&R) teams. Wilson arrived at the site at 2330 hours on June 8, at which time four DGE employees were still missing and presumed trapped in the two tunnels underlying the circular bins (two fatalities had previously been recovered). By 0500 hours on June 9, a US&R task force from Lincoln, Nebraska, had integrated with local rescue workers to form two teams, each working 12-hour shifts. Other US&R team members were being mobilized from throughout the country.

The search for survivors/casualties was being concentrated in the south end of the two tunnels that underlie the three rows of circular grain bins. The area was the last known location of the missing workers, based on information provided by DGE employees. The rescue operation required the movement

of tons of grain (mostly wheat) from the two tunnels. The blast had sheared the down spouts and valves that controlled the flow of grain from the circular bins, which allowed grain to fill the tunnels. The rescue efforts progressed by sealing off the portals from the bins with plywood initially shored with braces positioned between the tunnel's side walls. The grain was then moved into rail cars (initially by hand and shovel and later by vacuum-driven grain transfer equipment [Photographic Record: 1/1 and 12] so more permanent shoring could be erected (4x4 posts positioned on the floor of the tunnels) (Photographic Record: 1/17-20). The effort was hampered by debris inside the tunnels (the down spouts/valves and conveyors were mangled by the blast). By the time of START's arrival, the procedure had been refined and the workers were able to seal and clear a section of tunnel (approximately 30 feet—the diameter of each grain bin) in 3 to 5 hours. By the evening of June 10, three additional victims had been recovered from the tunnels (for a total of five fatalities), leaving one employee unaccounted.

During the course of the search and rescue operations, several individuals had experienced respiratory problems. The incident commanders became concerned over potential exposure to chemicals associated with grain production and storage and requested EPA's assistance.

June 10, 1998

STMs and OSC MacDonald arrived on site at 1930 hours. After being briefed on site activities and status by FEMA representatives, START and the OSC discussed grain storage practices at the facility with Dick Wilbur, DGE's director of operations at the Haysville facility. Wilbur indicated that the grain was usually treated with the pesticide Phostoxin™ as it was off-loaded into the facility. Phostoxin™ comes in a pellet form (Photographic Record; 2/8) and was automatically dispensed at a rate of "several pellets" per 1,000 bushels of grain. Phostoxin™ reacts with water (not from free water but from humidity or from the grain itself) to form the gas phosphine with ammonia being generated as a by-product. According to Wilbur, the gas generated by Phostoxin™ dispersed within 2 days. The latest that Phostoxin™ pellets were added, according to Wilbur, would have been on Saturday (June 6), two days prior to the blast.

It was decided that a STM would enter the tunnel with the US&R personnel and use an organic vapor analyzer (OVA) to monitor for volatile organic compounds (VOCs) and to take readings with colorimetric tubes for phosphine and ammonia. By the evening of June 10, all search and rescue efforts were being focused on the southern portion of the western tunnel, based on information from DGE and on the response of canines used by US&R. The initial entry by START personnel was delayed because of severe weather, which halted all search/rescue operations.

June 11, 1998

At 0100 hours START and the OSC departed the site (to arrange for lodging) as operations were on standby, awaiting the passing of nearby thunderstorms. At 0230 hours, Schademann and Setzler and MacDonald returned to the site. At 0324 hours, Schademann accompanied several US&R members into two separate access ports to the westernmost tunnel (access numbers 1 and 2; Figure 2). The access portals bracketed the area thought to contain the last missing DeBruce employee. In both tunnels, Schademann conducted continuous monitoring with the OVA and at the furthestmost location in each tunnel, he also screened for ammonia and phosphine using the colorimetric tubes (Draeger tubes). No readings above background were obtained with the OVA and no color changes were noted on the Draeger tubes. In addition to the screening, Schademann collected a whole air sample using Summa canisters in each access port. At 0615 hours, STM Fletcher transported the Summa canisters to the Region 7 EPA Laboratory in Kansas City, Kansas, for VOC analysis (Fletcher did not return to the site).

Because of the negative results of the initial screening, FEMA representatives and OSC MacDonald did not think continuous air monitoring was warranted. Because the US&R teams were continually opening new areas within the tunnel, however, START was tasked to conduct air monitoring at roughly 3-hour intervals. Because of US&R team rotations and breaks, the interval between monitoring events was actually 4 to 5 hours. Between monitoring episodes, the STMs and the OSC departed the site for short rest periods. STMs Schademann and Setzler also alternated monitoring shifts, providing longer breaks. OSC MacDonald was present for each monitoring episode and also attended FEMA debriefings, which were held at 12-hour intervals (noon and midnight). At the debriefings, MacDonald reported on air monitoring results.

The second screening was conducted by Setzler at 0732 hours. No color changes were noted on the Draeger tubes in either access, but OVA readings of 2 to 3 parts per million (ppm) above background were identified in access number 1. During Setzler's monitoring in access number 1, the US&R workers were removing grain with one of the vacuum-driven devices. The grain dust created by the operation may have contributed to the OVA readings. In addition to the screening, Setzler collected grain from each of the two access ports. Grain from both areas was scooped directly into 32-ounce jars. The samples were placed into an iced cooler and held for transport to the Region 7 EPA Laboratory for pesticide analysis. The grain samples were collected out of a concern of potential long-term health effects to the US&R workers if the grain contained residual pesticides.

By 1215 hours, the US&R crews had progressed more than 100 feet north from access port number 1 (Figure 2). Because of concerns over egress if the tunnel were to collapse and the inefficiency of the transporting grain over that distance (from access number 1), a third access port was developed midway between access number 1 and 2 (Photographic Record, 1/2). In access number 2, debris (mostly concrete rubble and mangled conveyor parts) made progress difficult and only one silo had been sealed off. Air monitoring was negative with the OVA and Draeger tubes.

At 1745 hours, START conducted air monitoring for a third time. Monitoring was negative in both access numbers 1 and 2. START was informed that developing access number 3 had been delayed because shoring of the initial silo had collapsed and the tunnel had refilled with grain.

The fourth screening was conducted at 2045 hours. US&R crews had traversed approximately 140 feet north of access number 1. Because of issues previously described, the tunnel was abandoned. In access number 2, workers continued to erect shoring beneath the first several silos. Monitoring was negative in those two access ports. At access number 3, work had not progressed since the previous monitoring (the tunnel in this area remained full of grain and no work was currently being conducted). Monitoring with an ammonia Draeger tube produced two readings of approximately 3 ppm. Because the readings were below the National Institute for Occupational Safety and Health (NIOSH) time weighted average (TWA for an 8-hour work day) of 25 ppm, no respiratory protection was deemed necessary. The ammonia was thought to be originating from decomposing grain. No readings were observed on the OVA or the phosphine Draeger tube.

June 12, 1998

Air monitoring was conducted three more times (at 0111, 0900, and 1142 hours) for a total of seven monitoring episodes. No readings were detected with the OVA or the Draeger tubes during the three final screening events. At 1015 hours, Wilbur procured a container of Phostoxin™ which was used to test the sensitivity of the monitoring equipment. The OVA and the two Draeger tubes were used to screen the top of the container. The vapors produced an OVA reading of 800 ppm, an immediate and total color change in an ammonia Draeger tube (with a single pump on the hand-held bellows—Photographic Record: 2/11), and produced distinct color change on a phosphine Draeger tube (with a 1/4 pump on the hand-held bellows—Photographic Record: 2/10).

Because of the negative results, the air monitoring efforts were discontinued after the seventh sampling event. STMs and the OSC departed the site at 1255 hours.

FOLLOWUP/ANALYTICAL RESULTS

The grain samples were delivered to the Region 7 EPA Laboratory on June 15, 1998. Non-validated laboratory results for the Summa canisters were "faxed" to the site on June 12, 1998. Results of the grain samples were received by START on July 15 (Attachment C: Laboratory Data Transmittal). A discussion of those data follows:

The air samples collected in the Summa canisters contained a variety of VOCs (Table 1). Table 1 also lists the NIOSH TWAs for those compounds that have established limits. Most of the concentrations found in the samples were four or five orders of magnitude below the compound's respective TWA. One pesticide was found in the two grain samples—methoxychlor at 2.3 micrograms per kilogram ($\mu\text{g}/\text{kg}$). Because the samples were collected to determine whether the grain posed a direct contact threat, the result was compared to the Kansas Interim Remedial Guidance (IRG) level for non-residential use. The IRG value for methoxychlor is 1,700,000 $\mu\text{g}/\text{kg}$.

<p style="text-align: center;">Table1</p> <p style="text-align: center;">VOC ANALYTICAL RESULTS—DEBRUCE GRAIN EXPLOSION</p> <p style="text-align: center;">TDD: S07-9806-012—PAN: 0931DGTFXX</p> <p style="text-align: center;">June 1998 (All VOC concentrations in $\mu\text{g}/\text{m}^3$)</p>			
Parameter	AHX04-001 (Access No. 1)	AHX04-002 (Access No. 2)	NIOSH TWA
Pentane	12	1	354,000
1,1,2-Trichlorotrifluoroethane	0.5U	0.5J	7,670,000
Hexane	1.5J	1.3U	176,000
Heptane	1	1U	348,000
Octane	0.9	0.8U	350,000
Isopropylbenzene	8.1	0.8U	246,000
1,3,5-Trimethylbenzene	1.6J	1U	123,000
1,2,4-Trimethylbenzene	4.3J	5.7J	123,000
Decane	2.3J	7.1J	NA
Propanal	30	6.3	NA
Acetone	54J	14J	595,000
2-Propanol	22	1.5U	NA
1-Propanol	7.6	1.5U	NA
Butanal	19	5	NA
2-Butanone	6.4	2.6	NA
2-Butanol	1.5	0.8U	303,000
1-Butanol	2.9	1U	151,000
2-Pentanone	21	4.5	528,000
Pentanal	37	5.2	176,000
3-Pentanone	1.1	0.8U	706,000
Heptanal	32J	18J	NA
Chloromethane	2.5	1.1	207,000
Acrylonitrile	7.4	0.8U	2,170
Benzene	91	1.6	319
Carbon Tetrachloride	1.7J	0.8U	6,290

Table1—(Continued)

VOC ANALYTICAL RESULTS—DEBRUCE GRAIN EXPLOSION

TDD: S07-9806-012—PAN: 0931DGTFXX

June 1998 (All VOC concentrations in $\mu\text{g}/\text{m}^3$)

Parameter	AHX04-001 (Access No. 1)	AHX04-002 (Access No. 2)	NIOSH TWA
Toluene	21	1.1	377,000
Ethyl Benzene	5.2	6.3	434,000
Styrene	7.6	0.8U	213,000
O-Xylene	3.4	7.3	434,000
M/P-Xylene	13	33	434,000

KEY: NA = No limit available.

U = The concentration is below the listed method detection limit.

J = The concentration listed is an estimated value.

SUMMARY AND RECOMMENDATIONS

Removal Considerations

The laboratory results of the samples collected and the results of the on-site screening conducting indicate that no removal is warranted as no contamination was observed.

Pre-Remedial Considerations

Based on the sample and screening results, no release to the environment occurred, consequently no additional investigation appears to be warranted. A Pre-CERCLIS Screening form is attached (Attachment D).

ATTACHMENTS:

A: Figure 1: Site Location Map

Figure 2: Site Map

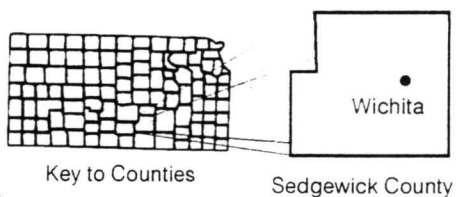
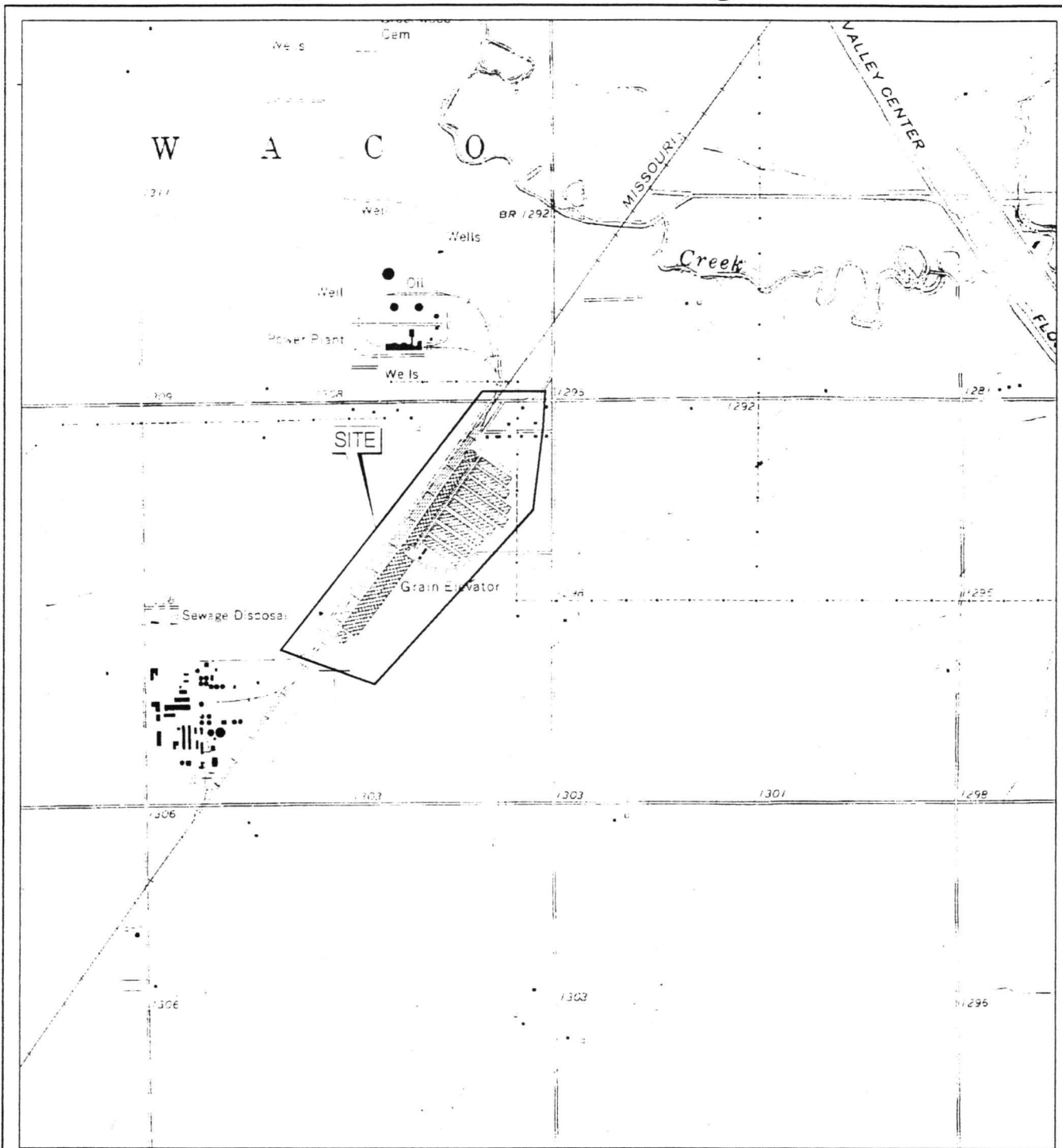
B: Photographic Record

C: Laboratory Analytical Data Package

D: Pre-CERCLIS Screening Form

ATTACHMENT A

Figure 1: Site Location Map
Figure 2: Site Map



ecology and environment, inc.
OVERLAND PARK, KANSAS



DeBruce Grain Elevator Explosion Wichita, Kansas

TDD: S07-9806-012
PAN: 0931DGTFXX
Prepared by Brooke Walker
August 1998

Figure 1: Site Location Map

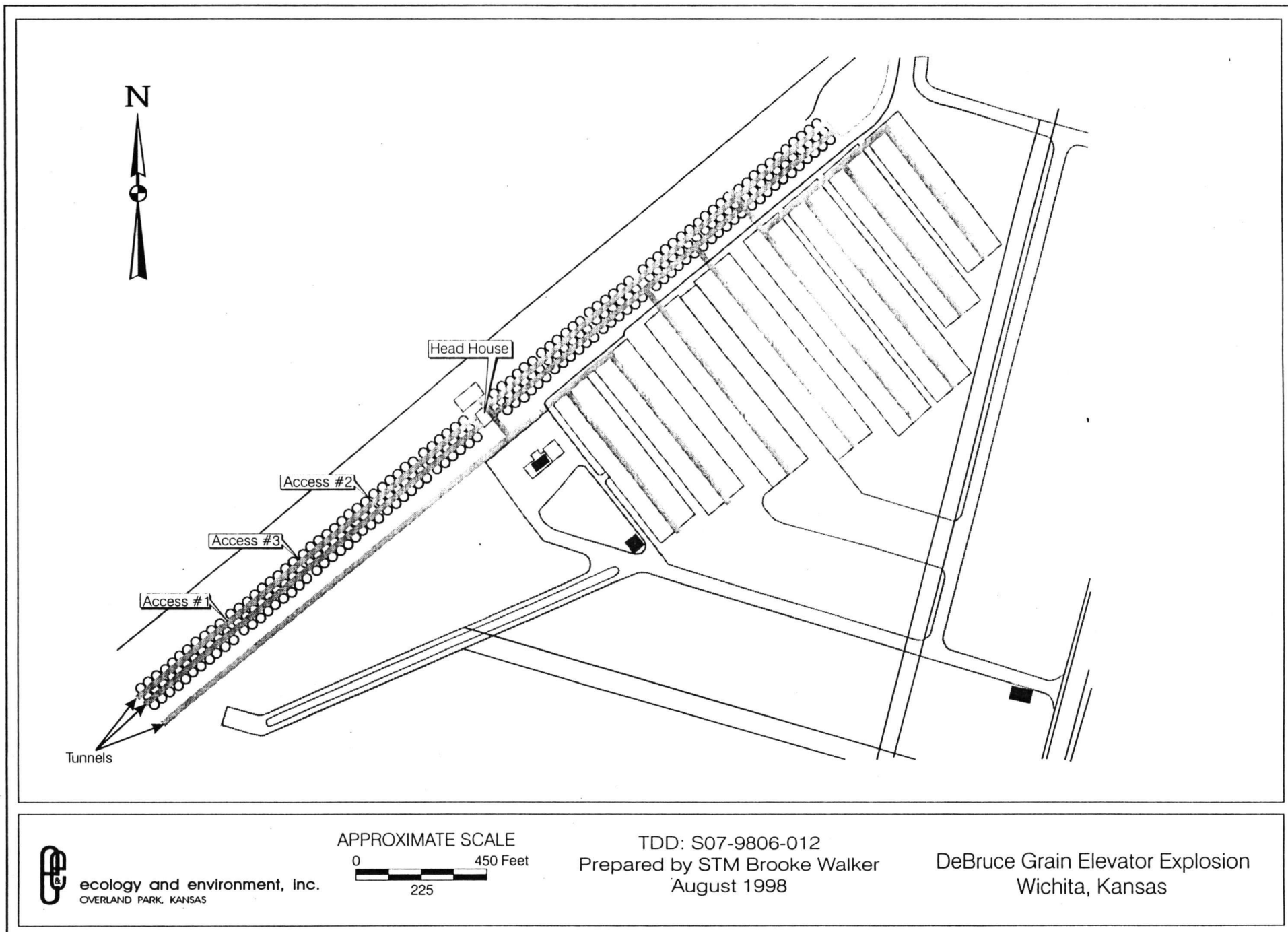


Figure 2: Site Sketch

ATTACHMENT B

Photographic Record

PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

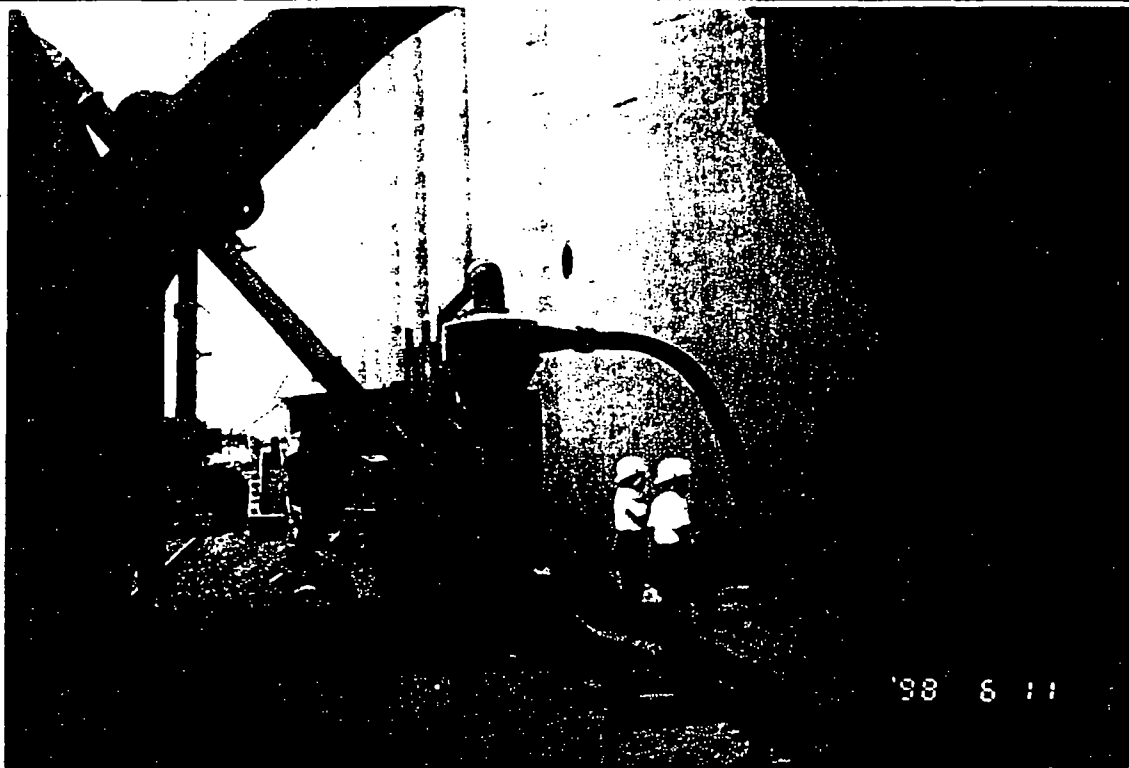
TDD: S07-9806-012

PAN: 0931DGTFXX

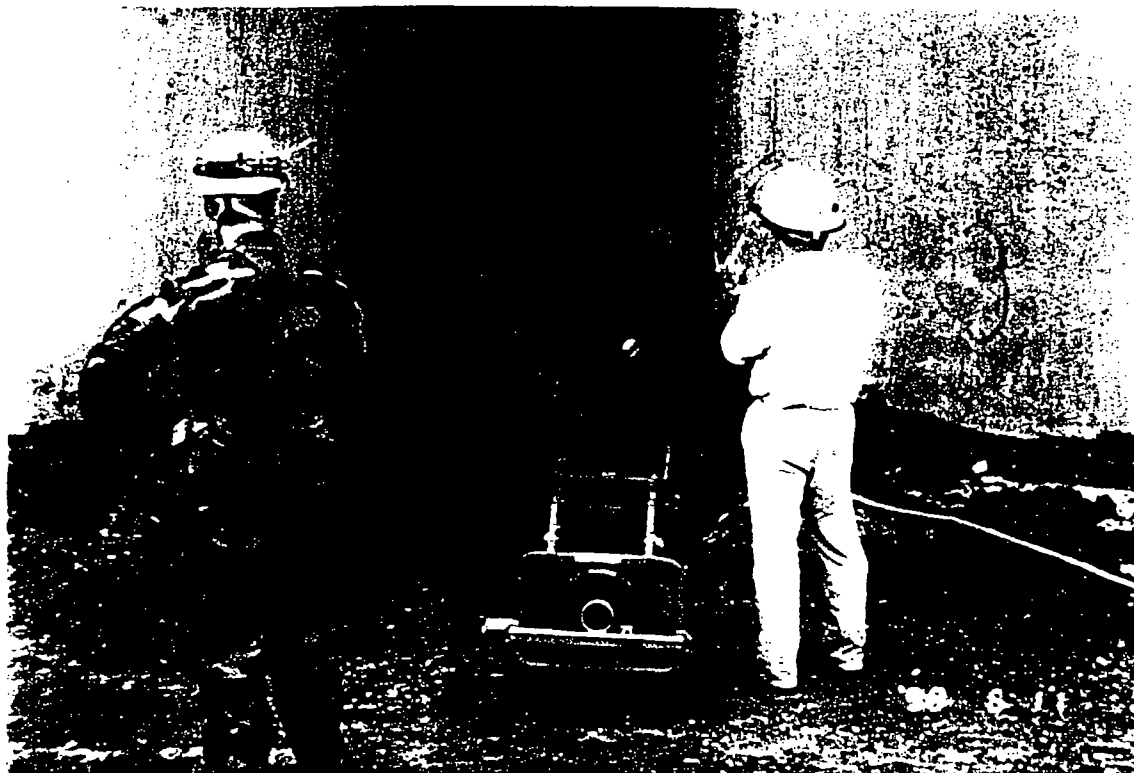
CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann
Date/Time: 6/11/98 / 0740
Roll/Frame No.: 1/1
Direction: North
Comments: Vacuum system for
grain removal. (Access # 1)



Photographer: Schademann
Date/Time: 6/11/98 / 0800
Roll/Frame No.: 1/2
Direction: East
Comments: Cutting access for
3.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

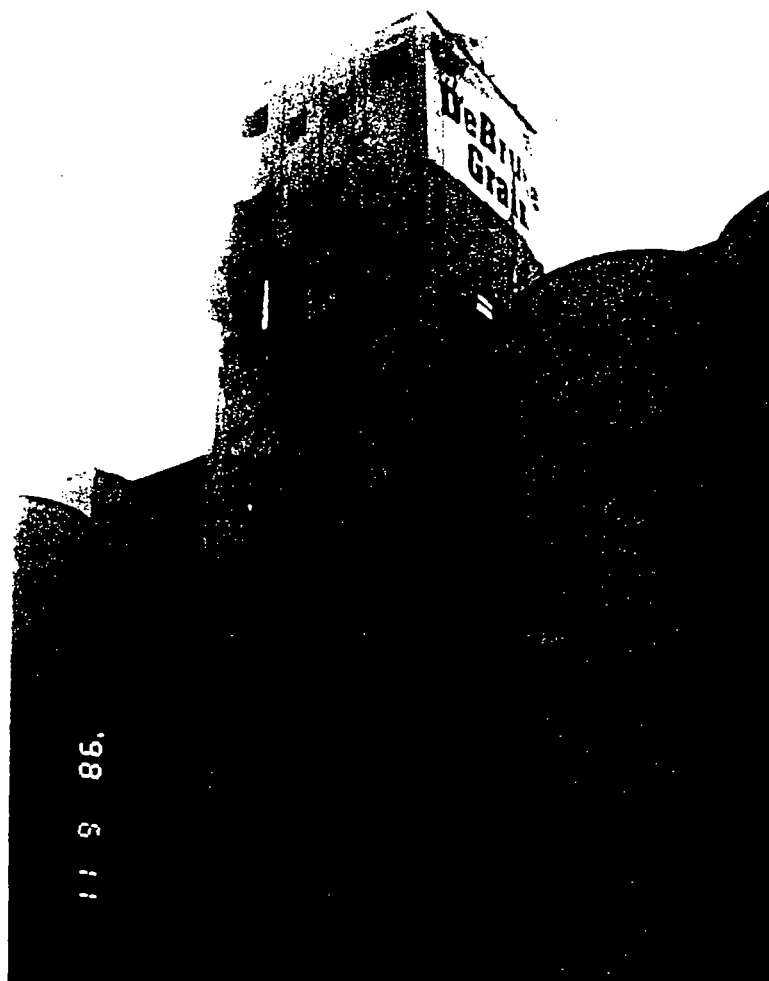
Photographer: Schademann

Date/Time: 6/11/98 / 0810

Roll/Frame No.: 1/3

Direction: East

Comments: Destruction to
west side of central tower.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

CAMERA MAKE: Olympus OM77AF

PAÑ: 0931DGTFXX

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/11/98 / 0815

Roll/Frame No.: 1/4

Direction: East

Comments: OSC McDonell
and STM Setzler review
Draeger tube results.



Photographer: Schademann

Date/Time: 6/11/98 / 0830

Roll/Frame No.: 1/5

Direction: Southwest

Comments: Destruction to
east side of central tower.



PHOTOGRAPHIC RECORD

Ecology and Environment, Inc.

Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

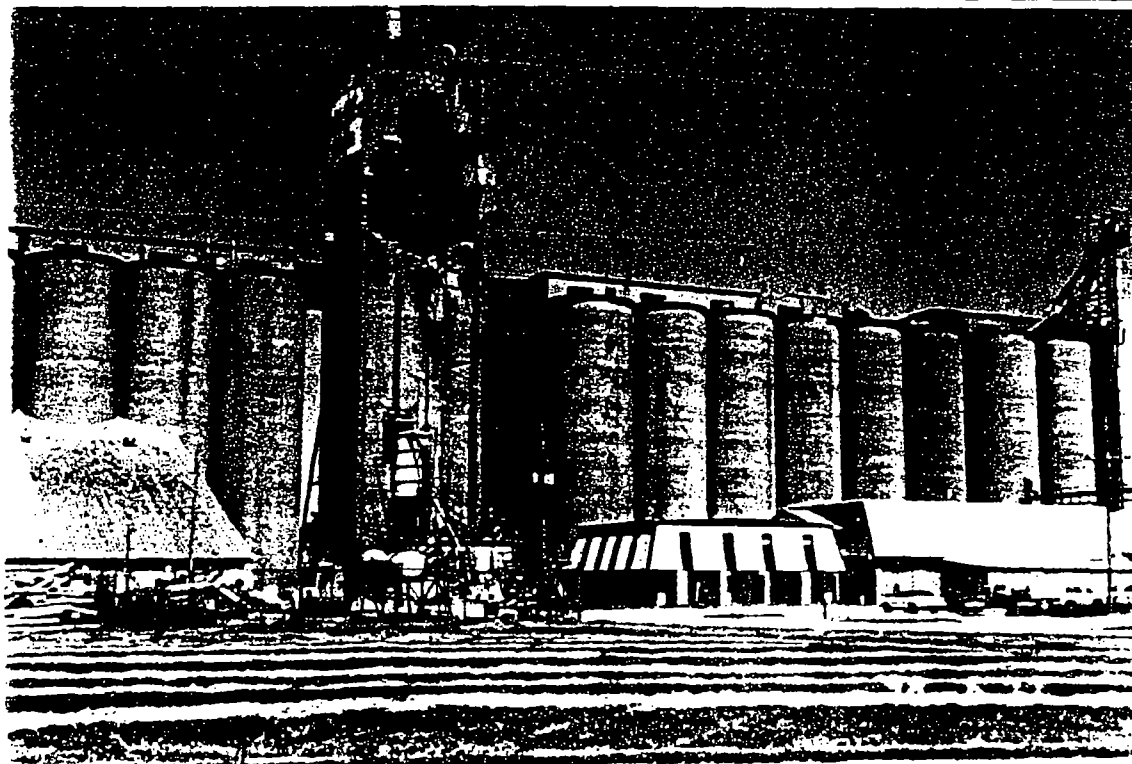
Photographer: Schademann

Date/Time: 6/11/98 / 0845

Roll/Frame No.: 1/6

Direction: West

Comments: Destruction to
east side of central tower.



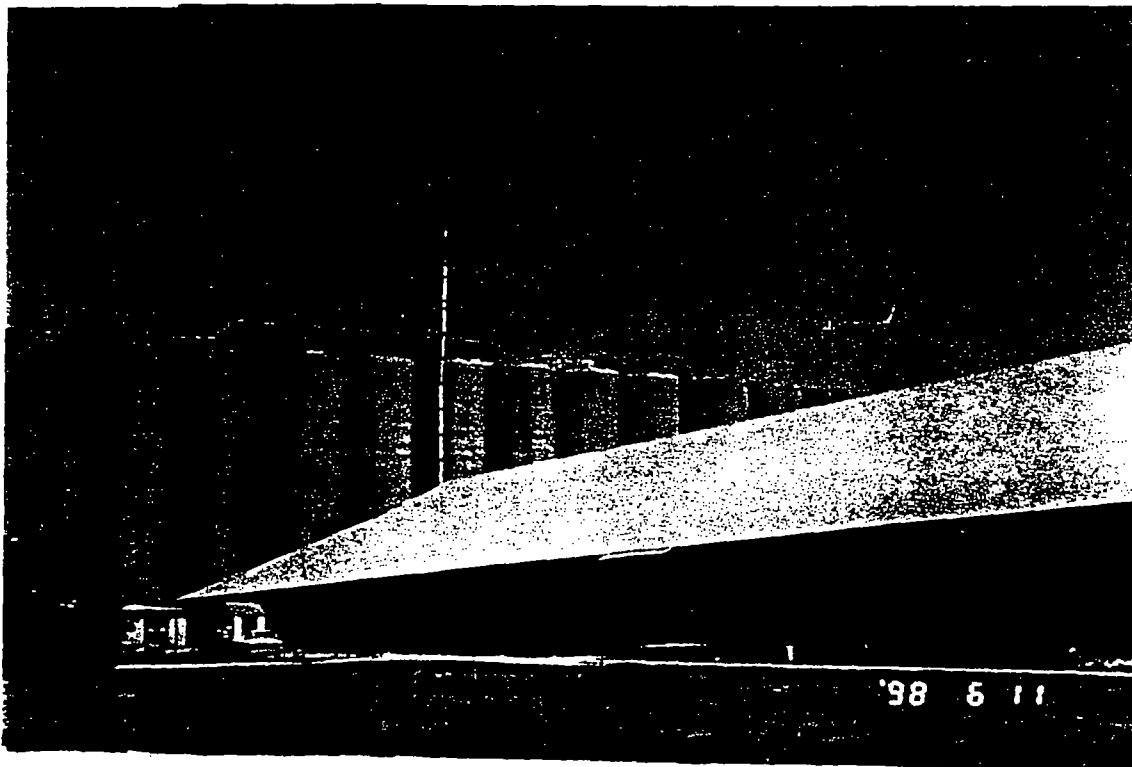
Photographer: Schademann

Date/Time: 6/11/98 / 0848

Roll/Frame No.: 1/7

Direction: West

Comments: Tops of silos
blown off.



PHOTOGRAPHIC RECORD

Ecology and Environment, Inc.

Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

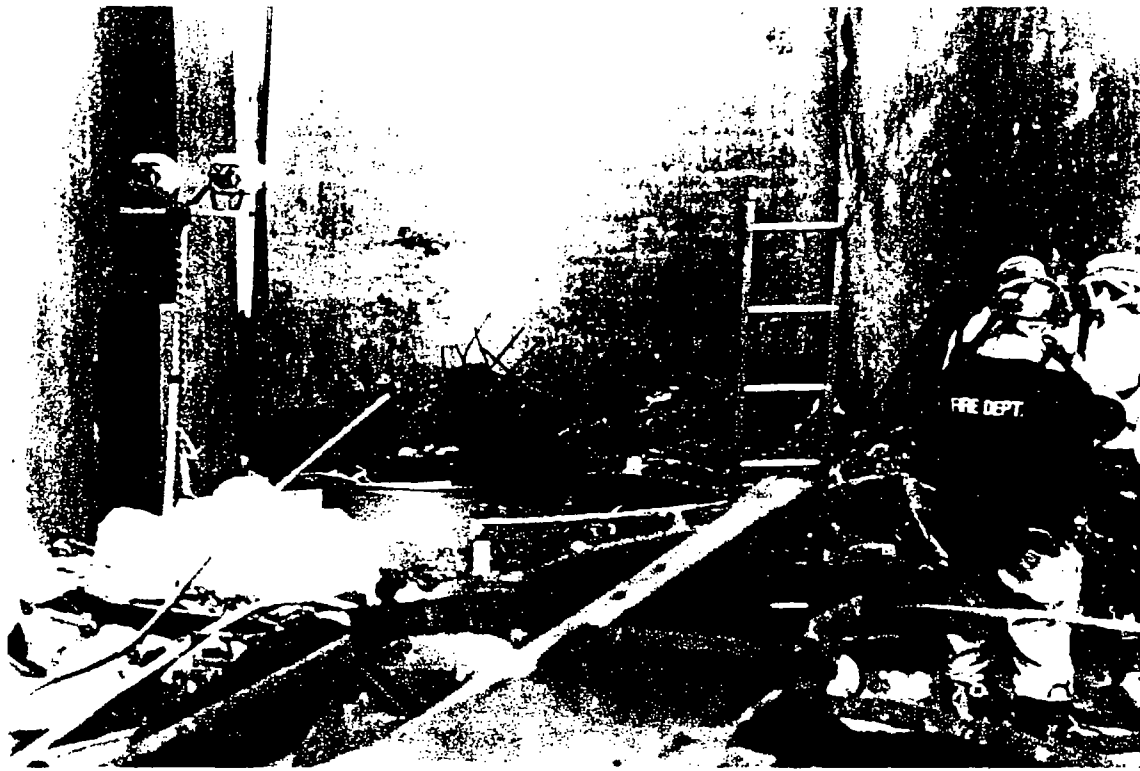
Photographer: Schademann

Date/Time: 6/11/98 / 1000

Roll/Frame No.: 1/8

Direction: East

Comments: Destruction and
body part (BP) retrieval
near access # 1.



Photographer: Schademann

Date/Time: 6/11/98 / 1308

Roll/Frame No.: 1/9

Direction: South

Comments: Working to put
shoring in near access # 2.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFFX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

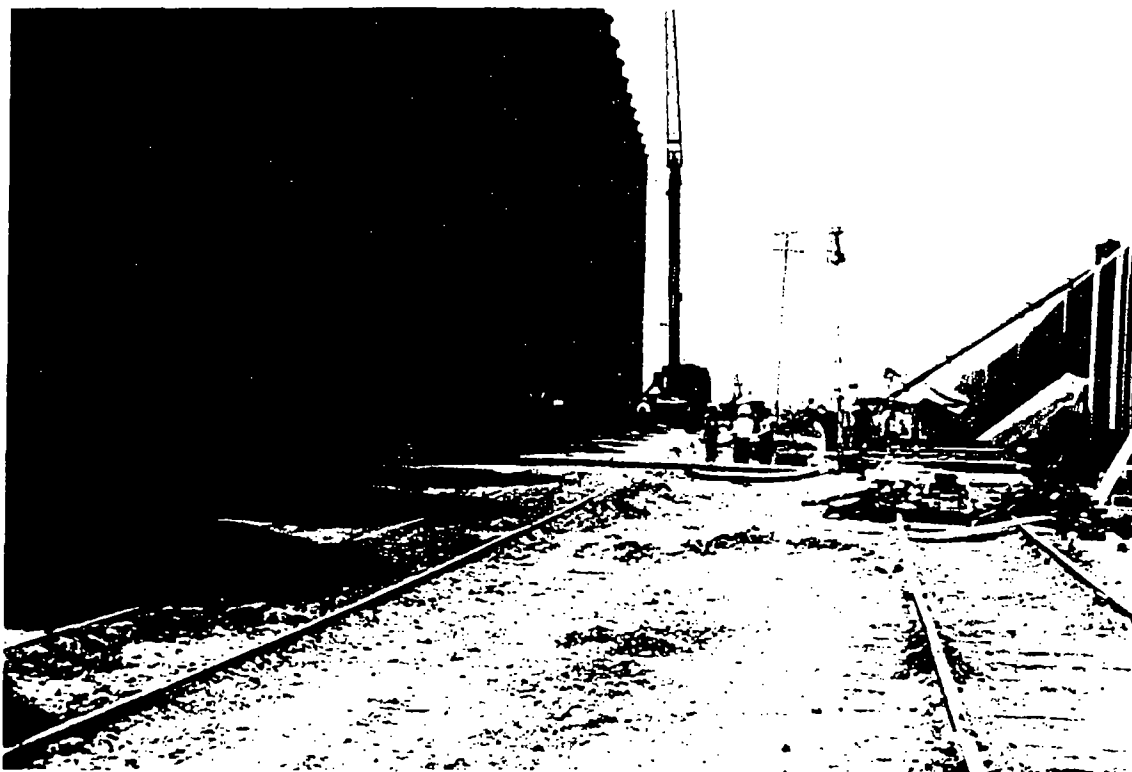
Photographer: Schademann

Date/Time: 6/11/98 / 1310

Roll/Frame No.: 1/10

Direction: South

Comments: Operations near
access # 3.



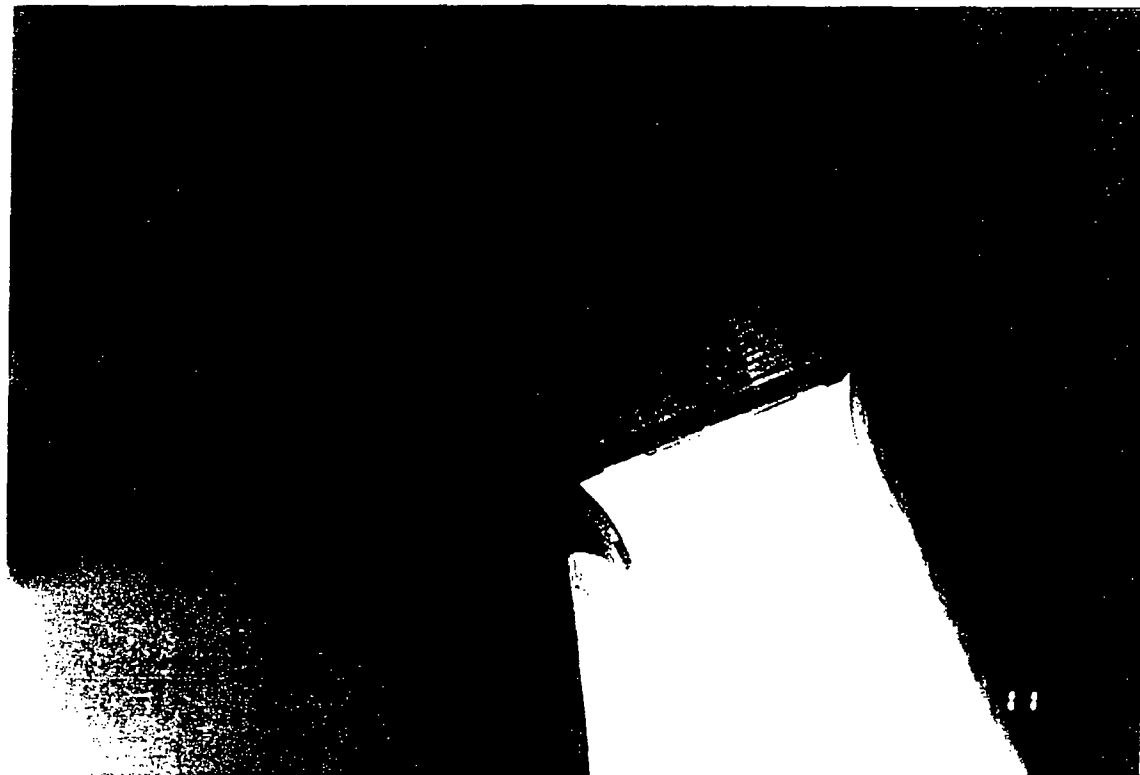
Photographer: Schademann

Date/Time: 6/11/98 / 1312

Roll/Frame No.: 1/11

Direction: Up

Comments: Blown metal atop
grain bins - access # 1.



PHOTOGRAPHIC RECORD

Ecology and Environment, Inc.

Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

CAMERA MAKE: Olympus OM77AF

PAN: 0931DGTFXX

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/11/98 / 1315

Roll/Frame No.: 1/12

Direction: North

Comments: Pumping grain
from access # 1 to rail car.



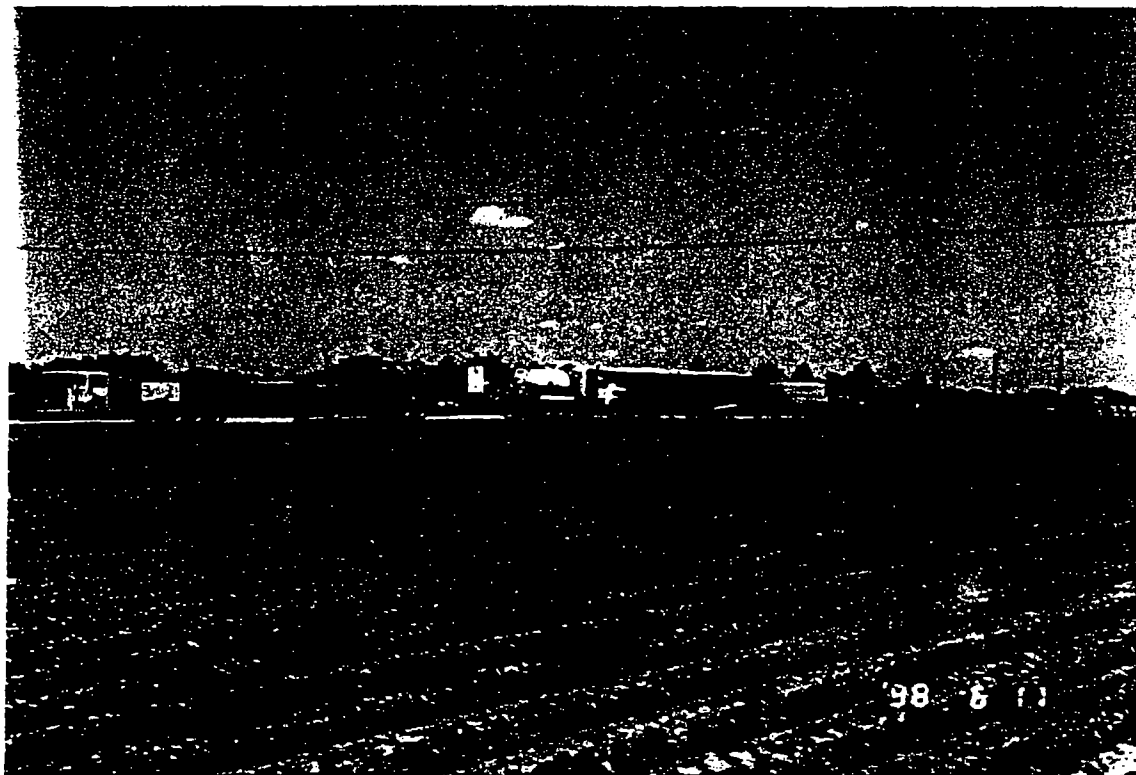
Photographer: Schademann

Date/Time: 6/11/98 / 1320

Roll/Frame No.: 1/13

Direction: East

Comments: Emergency
response vehicles.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFFX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

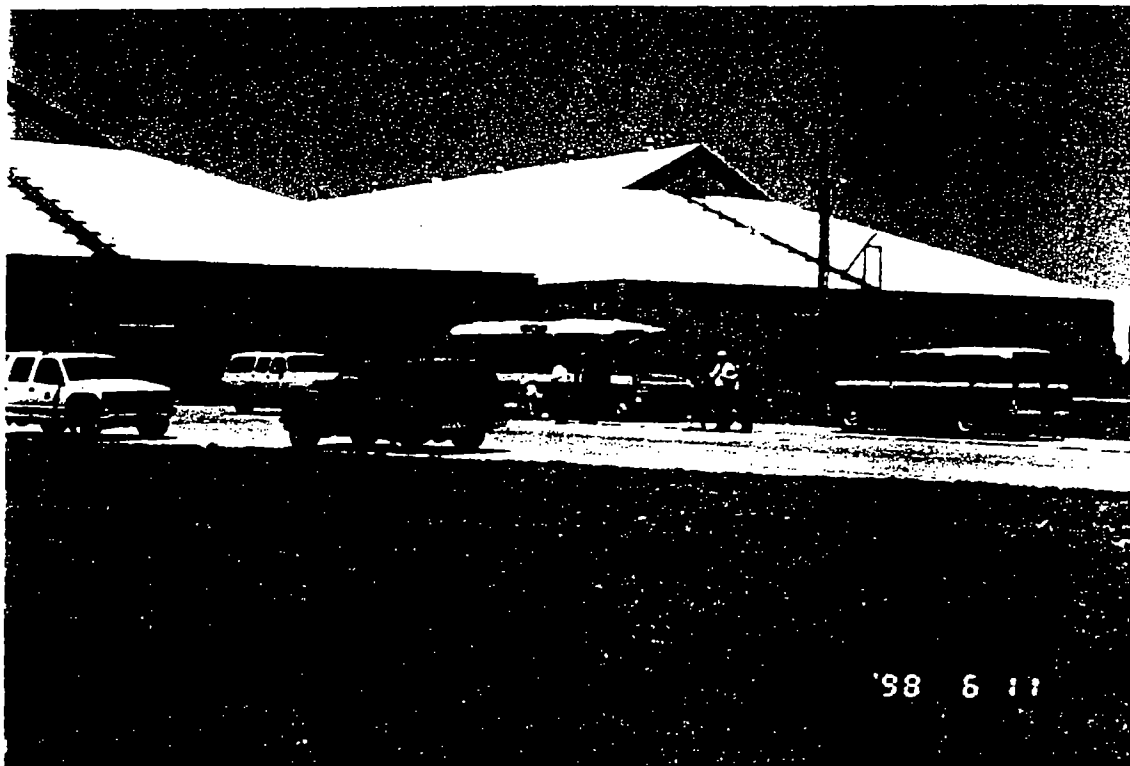
Photographer: Schademann

Date/Time: 6/11/98 / 1323

Roll/Frame No.: 1/14

Direction: West

Comments: Sedgwick/Wichita
fire departments.



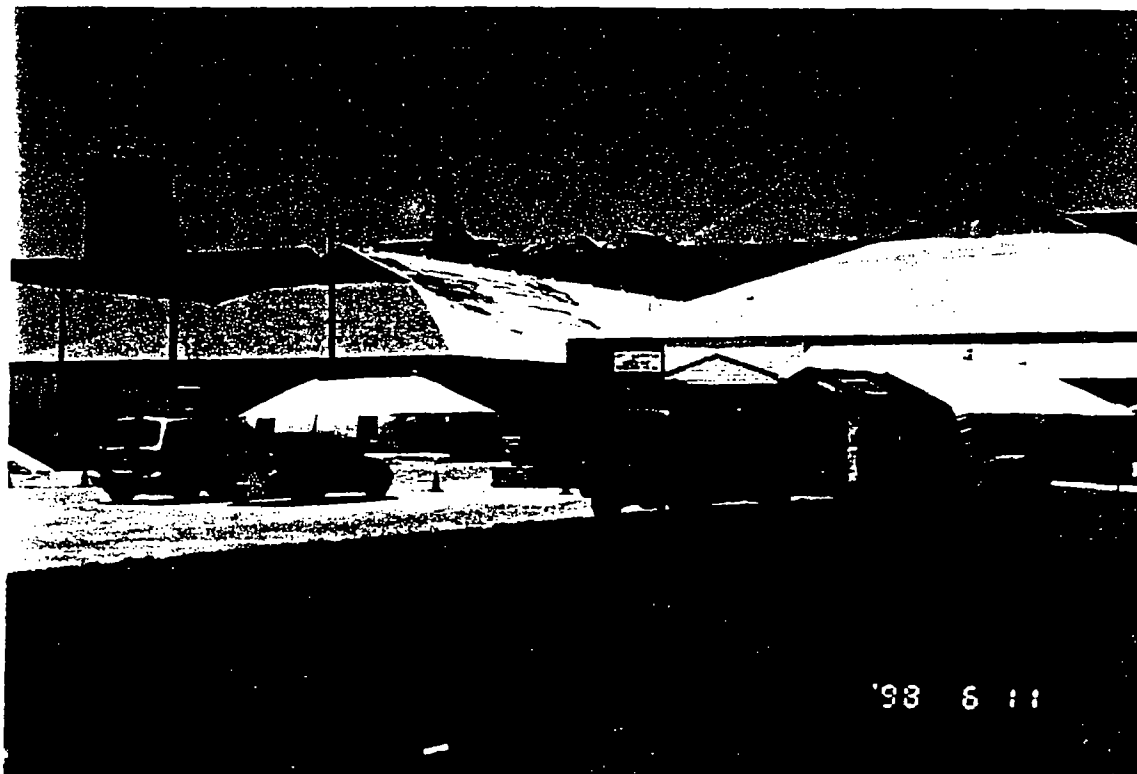
Photographer: Schademann

Date/Time: 6/11/98 / 1324

Roll/Frame No.: 1/15

Direction: Southwest

Comments: FEMA command
tents.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

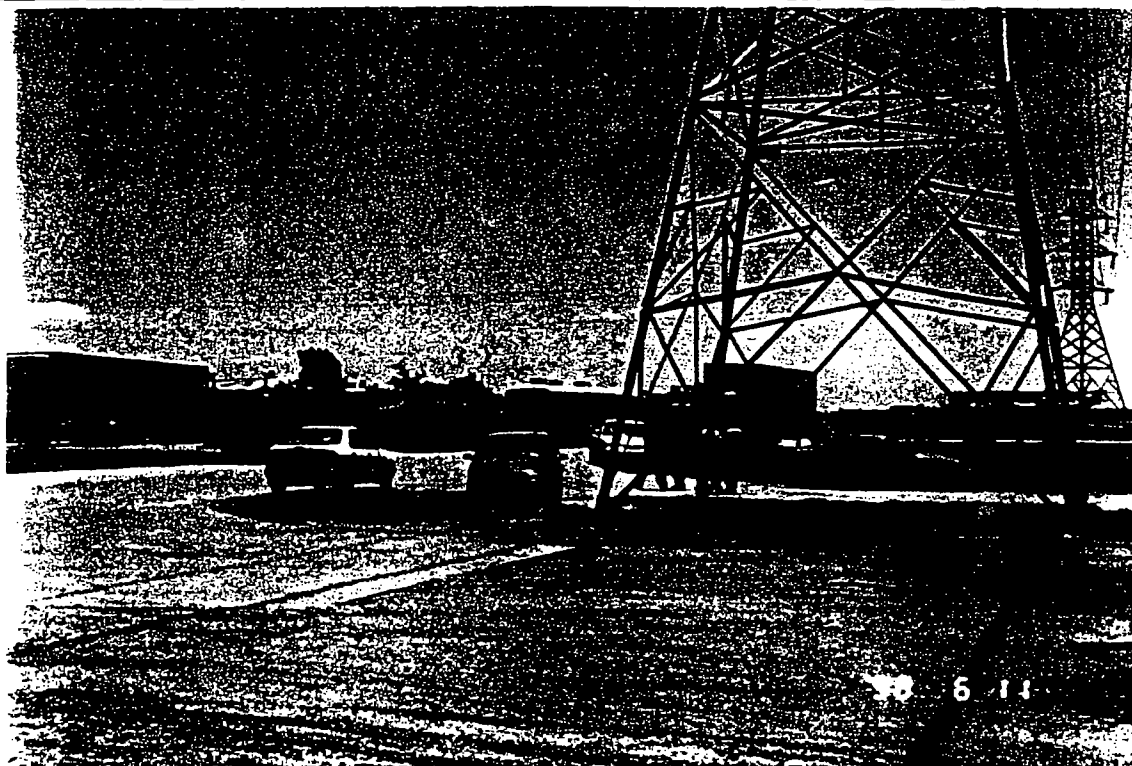
Photographer: Schademann

Date/Time: 6/11/98 / 1325

Roll/Frame No.: 1/16

Direction: Southeast

Comments: Break area.



Photographer: Schademann

Date/Time: 6/11/98 / 2124

Roll/Frame No.: 1/17

Direction: North

Comments: Work in access # 2
towards north. Scooping
grain to vacuum and shoring
portal of grain silo.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

CAMERA MAKE: Olympus OM77AF

PAN: 0931DGTFXX

SERIAL NO.: 724266

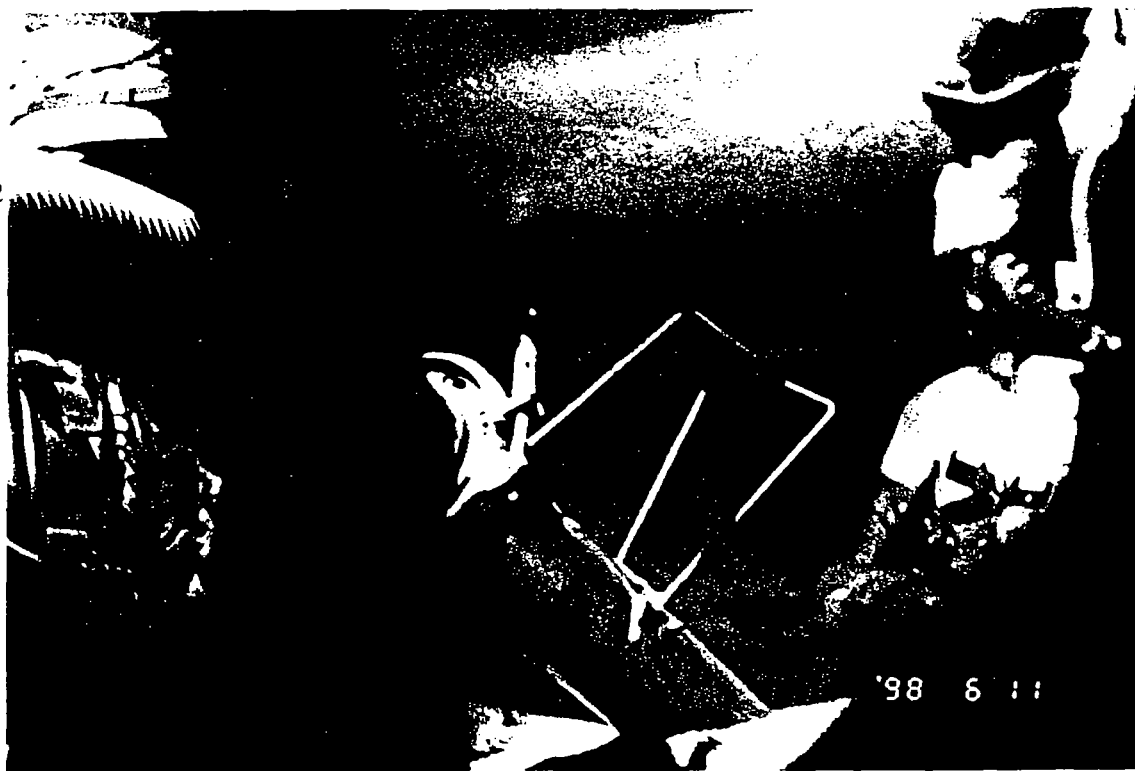
Photographer: Schademann

Date/Time: 6/11/98 / 2128

Roll/Frame No.: 1/18

Direction: North

Comments: Work in access # 2
towards north. Scooping
grain to vacuum and shoring
portal of grain silo.



Photographer: Schademann

Date/Time: 6/11/98 / 2129

Roll/Frame No.: 1/19

Direction: North

Comments: Work in access # 2
towards north. Scooping
grain to vacuum and shoring
portal of grain silo.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/11/98 / 2130

Roll/Frame No.: 1/20

Direction: North

Comments: Work in access # 2
towards north. Scooping
grain to vacuum and shoring
portal of grain silo.



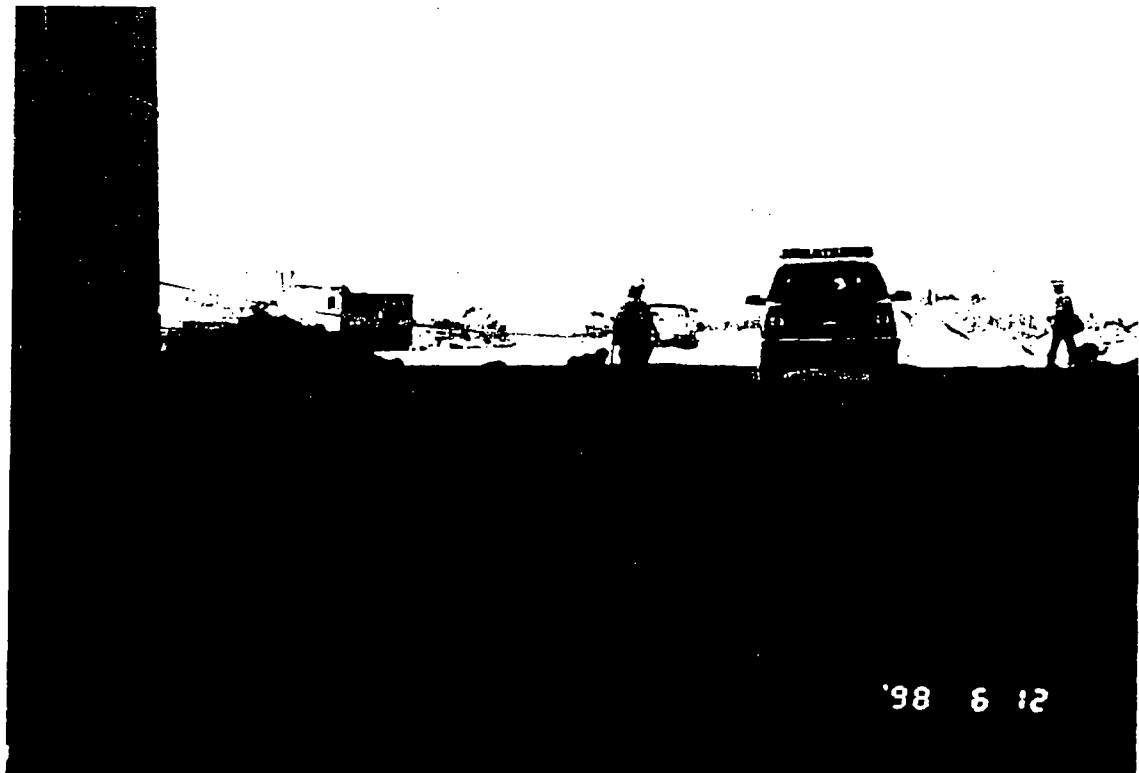
Photographer: Setzler

Date/Time: 6/12/98 / 0922

Roll/Frame No.: 1/21

Direction: Northeast

Comments: Access # 4



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Setzler
Date/Time: 6/12/98 / 0922
Roll/Frame No.: 1/22
Direction: Northeast
Comments: Access # 4
entrance in tunnel.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Setzler

Date/Time: 6/12/98 / 0922

Roll/Frame No.: 1/23

Direction: North

Comments: Top view of
access # 4



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Setzler
Date/Time: 6/12/98 / 0922
Roll/Frame No.: 1/24
Direction: North
Comments: Top view of
access # 4



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/14/98 / 0910

Roll/Frame No.: 2/1

Direction: West

Comments: Asphalt has fallen
into a hot spot atop the bins
and ignited a fire.



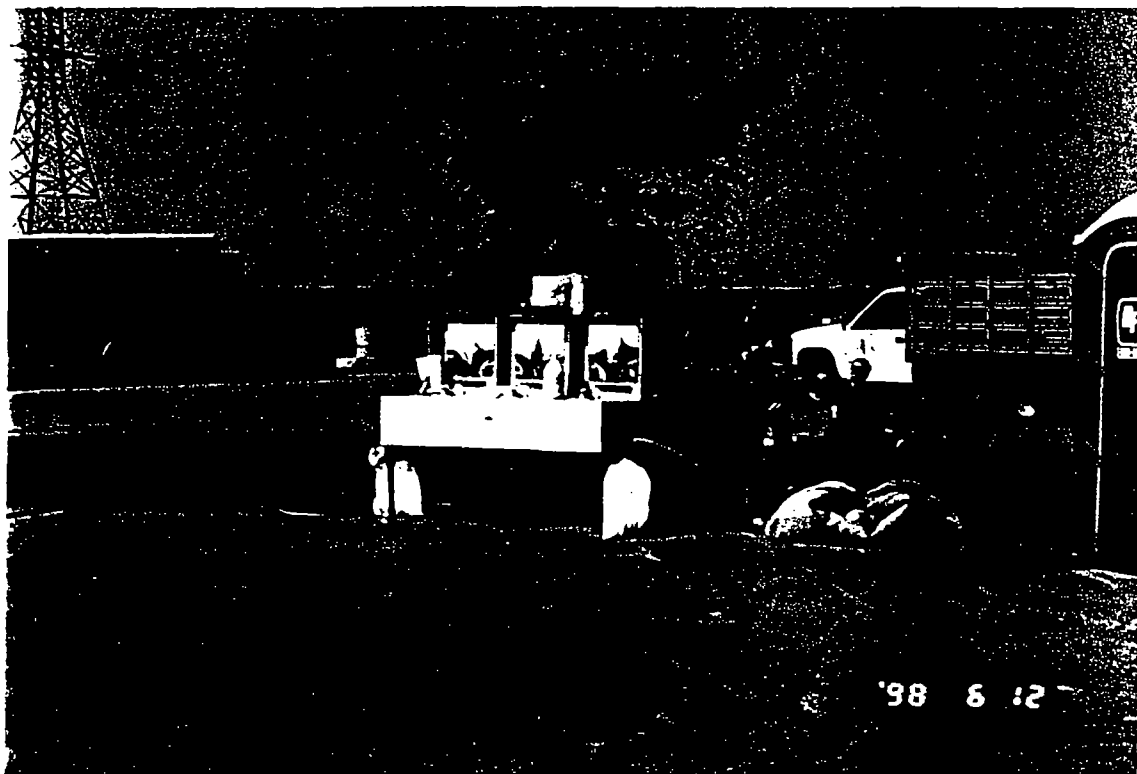
Photographer: Schademann

Date/Time: 6/14/98 / 0910

Roll/Frame No.: 2/2

Direction: Various

Comments: Activities and
various response trucks.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/14/98 / 0915

Roll/Frame No.: 2/3

Direction: Various

Comments: Activities and
various response trucks.



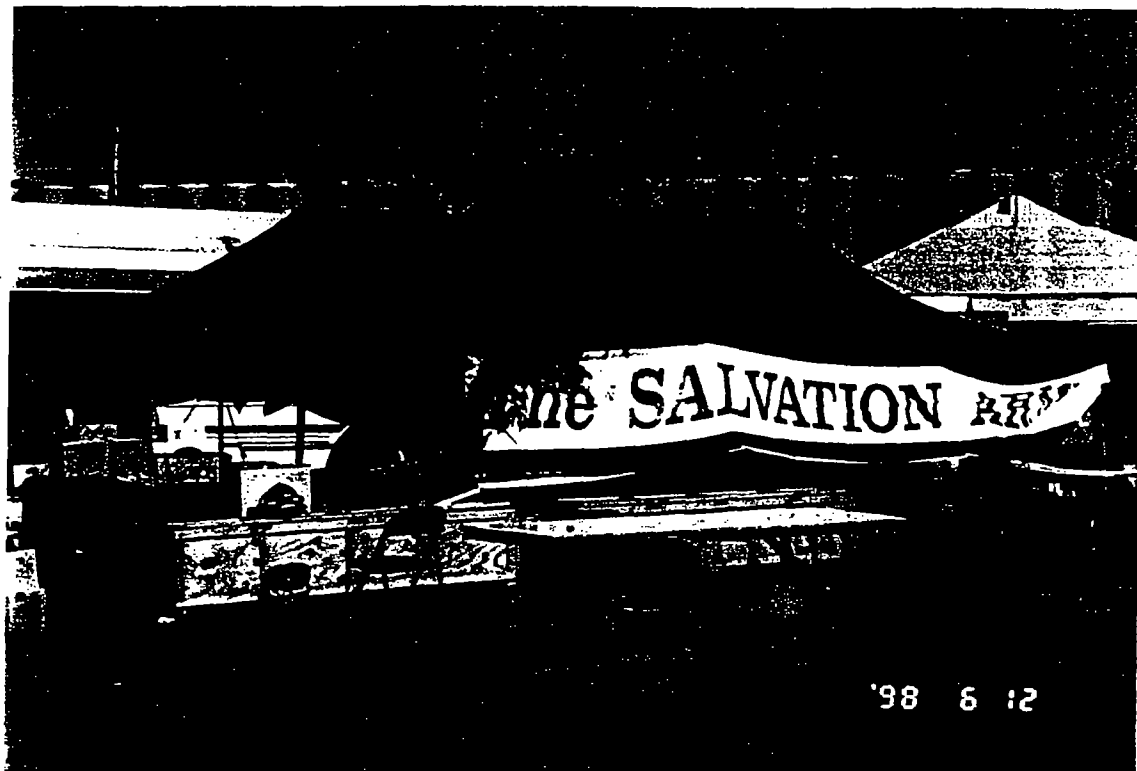
Photographer: Schademann

Date/Time: 6/14/98 / 0920

Roll/Frame No.: 2/4

Direction: Various

Comments: Activities and
various response trucks.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

CAMERA MAKE: Olympus OM77AF

PAN: 0931DGTFXX

SERIAL NO.: 724266

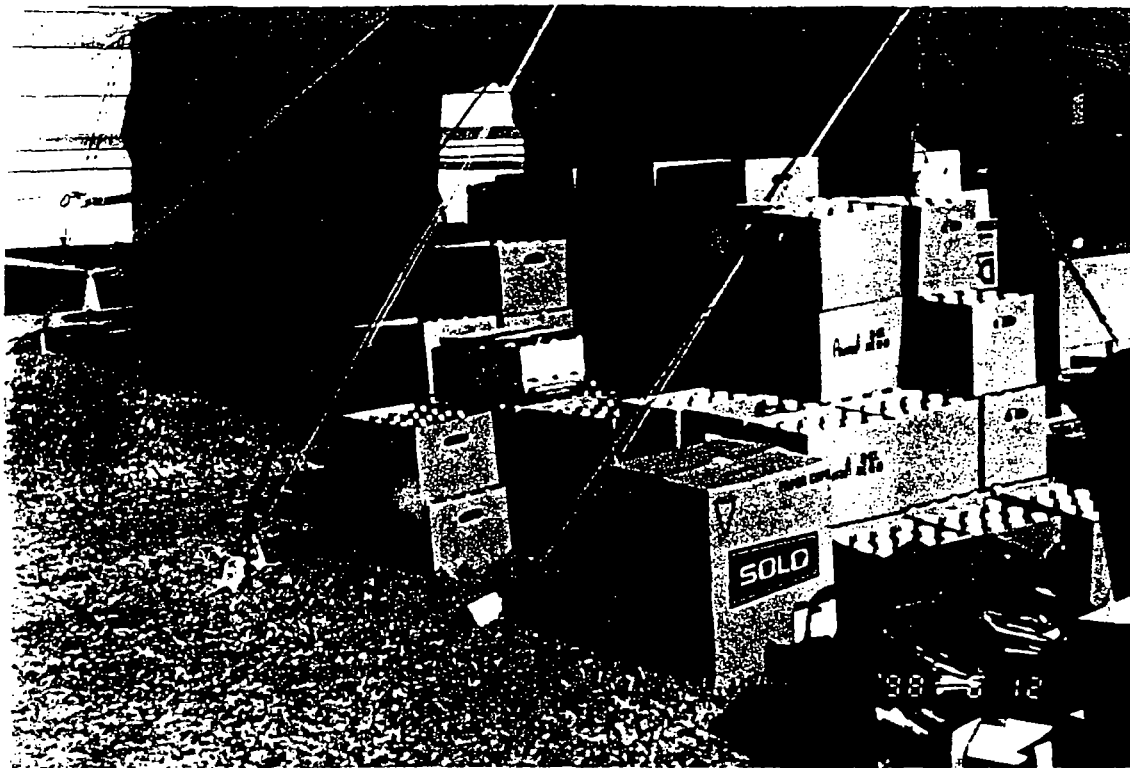
Photographer: Schademann

Date/Time: 6/14/98 / 0930

Roll/Frame No.: 2/5

Direction: Various

Comments: Activities and
various response trucks.



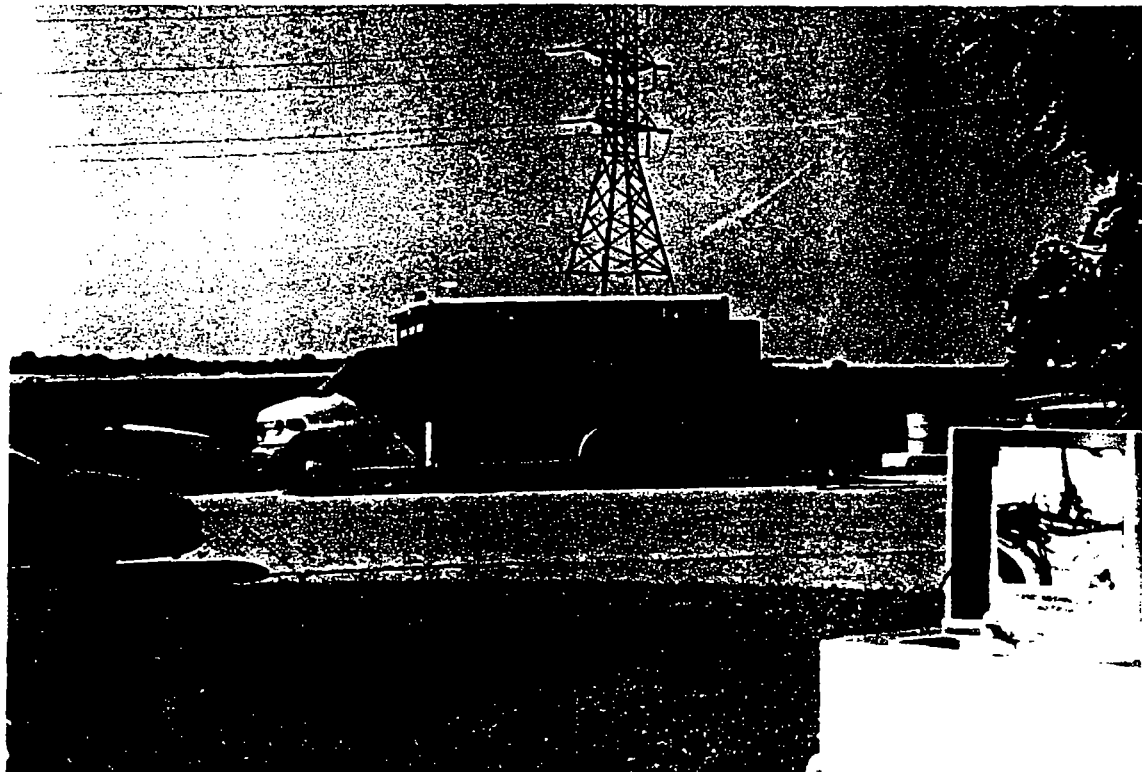
Photographer: Schademann

Date/Time: 6/14/98 / 0940

Roll/Frame No.: 2/6

Direction: Various

Comments: Activities and
various response trucks.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/14/98 / 0950

Roll/Frame No.: 2/7

Direction: Down

Comments: Container of
Phostoxin. Container
provided by DeBruce
Grain employee.



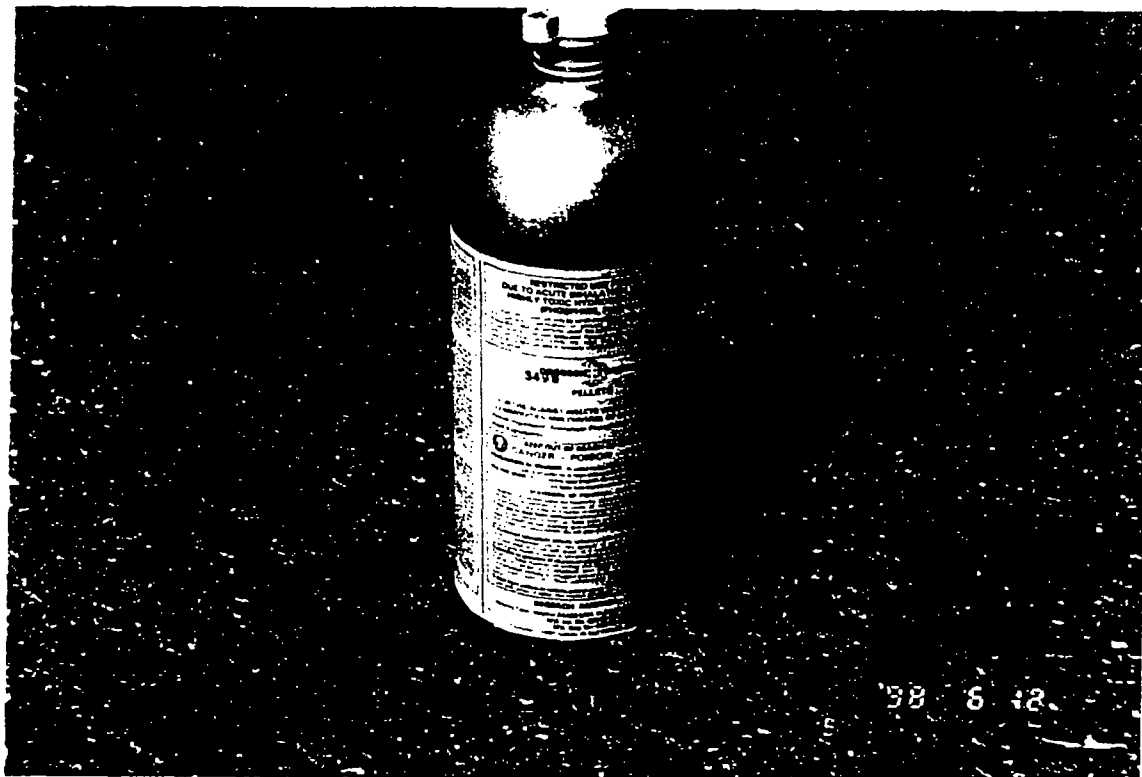
Photographer: Schademann

Date/Time: 6/14/98 / 0950

Roll/Frame No.: 2/8

Direction: Down

Comments: Container of
Phostoxin. Container
provided by DeBruce
Grain employee.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/14/98 / 1010

Roll/Frame No.: 2/9

Direction: Down

Comments: Pellets and Draeger
tube response.



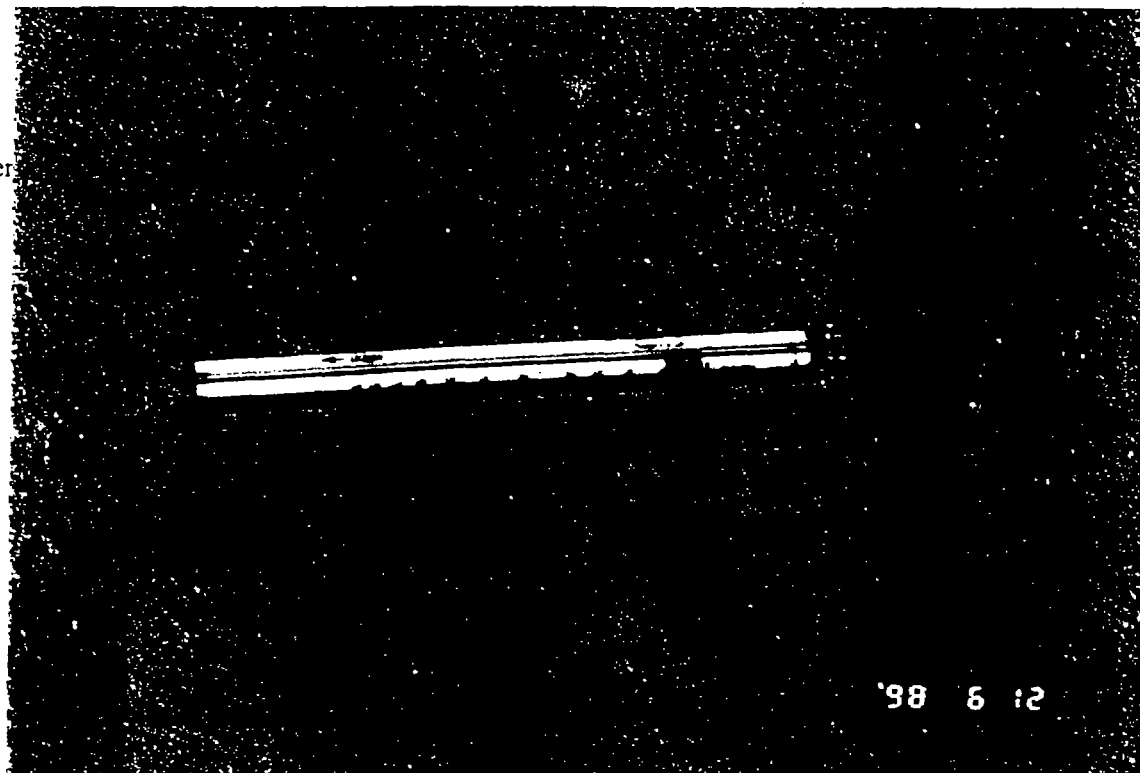
Photographer: Schademann

Date/Time: 6/14/98 / 1010

Roll/Frame No.: 2/10

Direction: Down

Comments: Pellets and Draeger
tube response.



PHOTOGRAPHIC RECORD

Ecology and Environment, Inc.

Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

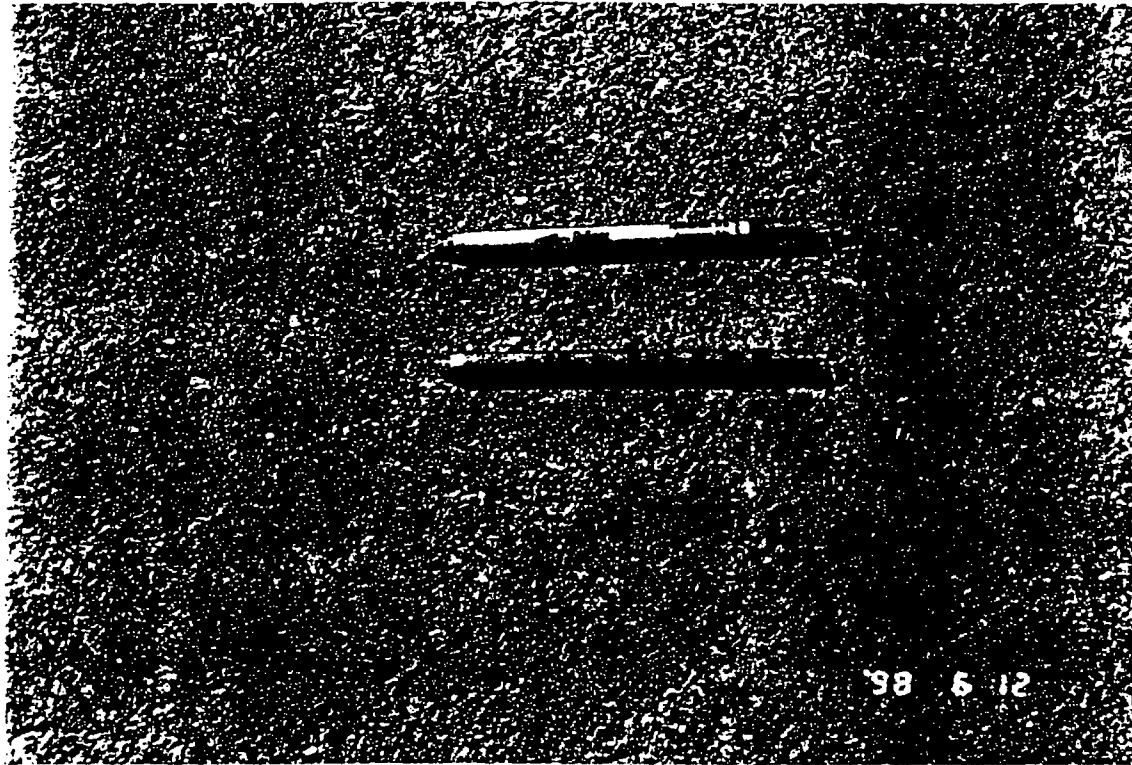
Photographer: Schademann

Date/Time: 6/14/98 / 1015

Roll/Frame No.: 2/11

Direction: Down

Comments: Ammonia tube
response.



Photographer: Schademann

Date/Time: 6/14/98 / 1100

Roll/Frame No.: 2/12

Direction: North

Comments: Crews and equiper
near access # 2.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/14/98 / 1105

Roll/Frame No.: 2/13

Direction: South

Comments: Crews being
switched.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

Photographer: Schademann

Date/Time: 6/14/98 / 1110

Roll/Frame No.: 2/14

Direction: North

Comments: Destruction at far
south end of elevator.



PHOTOGRAPHIC RECORD
Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

SITE NAME: DeBruce Grain

SITE LOCATION: Haysville, Kansas

TDD: S07-9806-012

PAN: 0931DGTFXX

CAMERA MAKE: Olympus OM77AF

SERIAL NO.: 724266

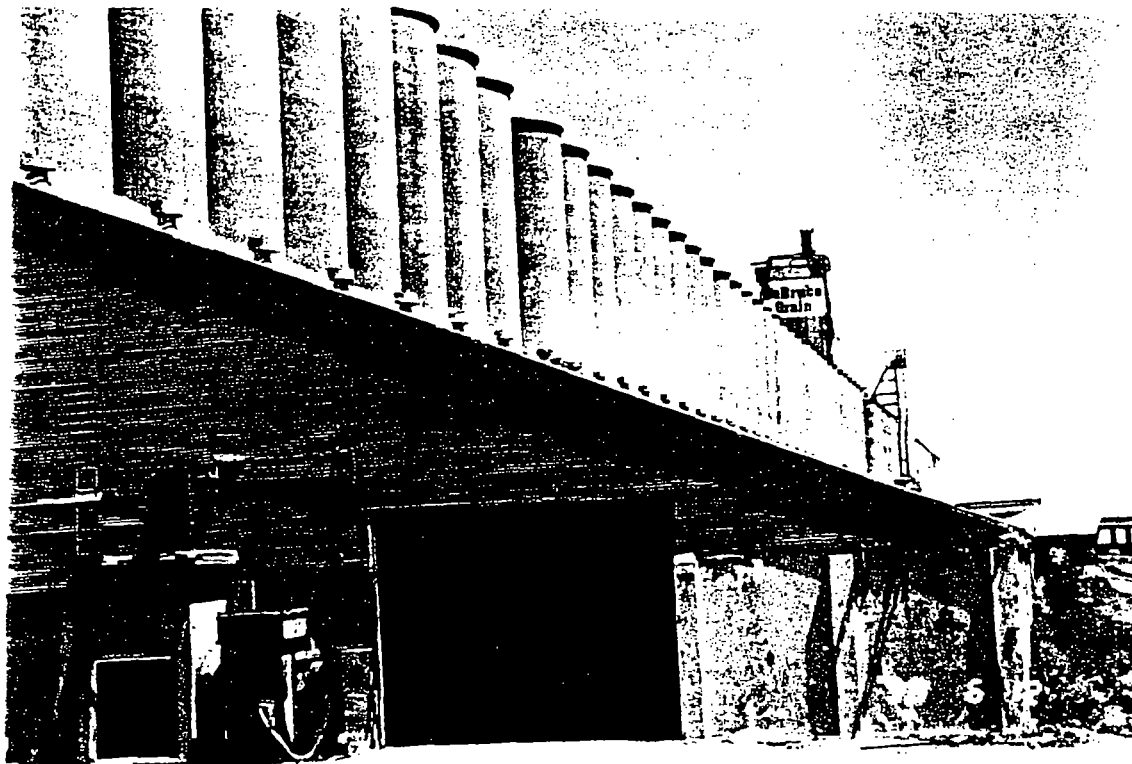
Photographer: Schademmann

Date/Time: 6/14/98 / 1110

Roll/Frame No.: 2/15

Direction: North

Comments: East side of
elevator (for size of facility).



ATTACHMENT C

Analytical Data Package

37-13-98 02:14P P.01
3135515218
US EPA REGION VII

ANALYSIS REQUEST REPORT

DRAFT REPORT

FOR ACTIVITY: AMX04

HAYES, SCOTT

07/13/98 16:12:36

ALL REAL SAMPLES AND FIELD Q.C.

* BEING ANALYZED

FY: 98 ACTIVITY: AMX04 DESCRIPTION: DEBRUCE GRAIN BIN EXPLOSION LOCATION: HAYSVILLE KANSAS
STATUS: ACTIVE TYPE: SAMPLING - IN HOUSE ANALYSIS PROJECT: L31

LABO DUE DATE IS 7/15/98. REPORT DUE DATE IS 8/10/98.

INSPECTION DATE: 6/11/98 ALL SAMPLES RECEIVED DATE: 06/15/98

ALL DATA APPROVED BY LABO DATE: 00/00/00 FINAL REPORT TRANSMITTED DATE: 00/00/00

EXPECTED LABO TURNAROUND TIME IS 30 DAYS EXPECTED REPORT TURNAROUND TIME IS 60 DAYS

ACTUAL LABO TURNAROUND TIME IS 0 DAYS ACTUAL REPORT TURNAROUND TIME IS 0 DAYS

SITE CODE: SITE:

SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CITY	STATE	AIRS/ STORET	LAY- LOC NO	SECT	ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
							LOC NO							
001	A		TUNNEL #1 (ACCESS #1)	1	HAYSVILLE	KANSAS					06/11/98	02:30	/	/
002	A		TUNNEL #1 (ACCESS #2)	1	HAYSVILLE	KANSAS					06/11/98	03:40	/	/
003	S		GRAIN FROM ACCESS #1	1	HAYSVILLE	KANSAS					06/11/98	07:40	/	/
004	S		GRAIN FROM ACCESS #2	1	HAYSVILLE	KANSAS					06/11/98	08:00	/	/

Jim McDonald
SUFR FAX 7948

DRAFT REPORT

01	PENTANE, BY GC/MSD	UG/M3: 12	1.7	
02	1,1,2-TRICHLOROTRIFLUOROETHANE, BY GC/MSD	UG/M3: 0.5	0.5	J
03	HEXANE, BY GC/MSD	UG/M3: 1.5	1.3	U
04	HEPTANE, BY GC/MSD	UG/M3: 1	1	U
05	OCTANE, BY GC/MSD	UG/M3: 0.9	0.8	U
06	NONANE (NONYL HYDRIDE), BY GC/MSD	UG/M3: 0.8	0.8	U
07	ISOPROPYLBENZENE, BY GC/MSD	UG/M3: 8.1	0.8	U
08	1,3,5-TRIMETHYLBENZENE, BY GC/MSD	UG/M3: 1.6	1	U
09	TRIMETHYLBENZENE, 1,2,4-, BY GC/MSD	UG/M3: 4.3	5.7	J
10	DICHLOROBENZENE, 1,3-, BY GC/MSD	UG/M3: 0.8	0.8	U
11	DECANE BY GC/MSD	UG/M3: 2.3	7.1	J
12	DICHLOROBENZENE, 1,2-, BY GC/MSD	UG/M3: 1	1	U
13	TRICHLOROBENZENE, 1,2,4- BY GC/MSD	UG/M3: NA	NA	I
14	HEXACHLOROBUTADIENE, BY GC/MSD	UG/M3: 0.8	0.8	U
01	PROPANAL	UG/M3: 30	6.3	
02	ACETONE	UG/M3: 54	14	J
03	2-PROPANOL	UG/M3: 22	1.5	U
04	2-METHYL-2-PROPANOL	UG/M3: 0.8	0.8	U
05	1-PROPANOL	UG/M3: 7.6	1.5	U
06	BUTANAL	UG/M3: 19	5	
07	2-BUTANONE	UG/M3: 6.4	2.6	
08	2-BUTANOL	UG/M3: 1.5	0.8	U
09	1-BUTANOL	UG/M3: 2.9	1	U
10	2-PENTANONE	UG/M3: 21	4.5	
11	PENTANAL	UG/M3: 37	5.2	
12	3-PENTANONE	UG/M3: 1.1	0.8	U

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 8-AHX04

DRAFT REPORT

COMPOUND	UNITS	001	002	003	004
3 4-METHYL-2-PENTANONE	UG/M3	0.8 U	0.8 U		
4 2-HEXANONE	UG/M3	1.3 U	1.3 U		
5 HEPTANAL	UG/M3	32 J	18 J		
0 DICHLOROPROPYLENE, CIS-1,3	UG/M3	0.8 U	0.8 U		
1 CARBON DISULFIDE	UG/M3	0.8 U	0.8 U		
8 DIBROMOETHANE, 1,2-(EDB), BY GC/MS	UG/M3	1.3 U	1.3 U		
CHLOROMETHANE, BY GC/MSD	UG/M3	2.5	1.1		
1 VINYL CHLORIDE, BY GC/MSD	UG/M3	0.5 U	0.5 U		
2 BROMOMETHANE, BY GC/MSD	UG/M3	0.8 U	0.8 U		
3 CHLOROETHANE, BY GC/MSD	UG/M3	0.5 U	0.5 U		
7 ACRYLONITRILE, BY GC/MSD	UG/M3	7.4	0.8 U		
8 BROMOETHANE, BY GC/MSD	UG/M3	0.5 U	0.5 U		
9 DICHLOROETHYLENE, 1,1, BY GC/MSD	UG/M3	0.5 U	0.5 U		
50 METHYLENE CHLORIDE, BY GC/MSD	UG/M3	2 U	2 U		
31 ALLYL CHLORIDE, BY GC/MSD	UG/M3	0.8 U	0.8 U		
52 DICHLOROETHYLENE, TRANS-1,2, BY GC/MSD	UG/M3	0.8 U	0.8 U		
53 DICHLOROETHANE, 1,1, BY GC/MSD	UG/M3	0.5 U	0.5 U		
55 DICHLOROETHYLENE, CIS-1,2, BY GC/MSD	UG/M3	0.8 U	0.8 U		
56 CHLOROFORM, BY GC/MSD	UG/M3	0.8 U	0.8 U		
57 DICHLOROETHANE, 1,2, BY GC/MSD	UG/M3	2.4 U	0.8 U		
58 TRICHLOROETHANE, 1,1,1-, BY GC/MSD	UG/M3	1.3 U	1.3 U		
59 BENZENE, BY GC/MSD	UG/M3	91	1.6		
60 CARBON TETRACHLORIDE, BY GC/MSD	UG/M3	1.7 J	0.8 U		
61 DICHLOROPROPANE, 1,2, BY GC/MSD	UG/M3	0.8 U	0.8 U		
62 BROMODICHLOROMETHANE, BY GC/MSD	UG/M3	0.8 U	0.8 U		
63 TRICHLOROETHYLENE, BY GC/MSD	UG/M3	1.3 U	1.3 U		

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 8-AHX04

DRAFT REPORT

COMPOUND	UNITS	001	002	003	004
AV66 DICHLOROPROPYLENE, TRANS-1,3, BY GC/MSD	UG/M3	0.8	U 0.8	U	
AV67 TRICHLOROETHANE, 1,1,2-, BY GC/MSD	UG/M3	1	U 1	U	
AV68 TOLUENE, BY GC/MSD	UG/M3	21	1.1		
AV69 DIBROMOCHLOROMETHANE, BY GC/MSD	UG/M3	1.5	U 1.5	U	
AV72 TETRACHLOROETHYLENE, BY GC/MSD	UG/M3	1.5	U 1.5	U	
AV73 TETRACHLOROETHANE, 1,1,1,2, BY GC/MSD	UG/M3	1.8	U 1.8	U	
AV74 CHLOROBENZENE, BY GC/MSD	UG/M3	1	U 1	U	
AV75 ETHYL BENZENE, BY GC/MSD	UG/M3	5.2	6.3		
AV76 BROMOFORM, BY GC/MSD	UG/K3	1	U 1	U	
AV79 STYRENE, BY GC/MSD	UG/M3	7.6	0.8	U	
AV80 XYLENE, ORTHO, BY GC/MSD	UG/M3	3.4	7.3		
AV81 TETRACHLOROETHANE, 1,1,2,2, BY GC/MSD	UG/M3	1.5	U 1.5	U	
AV83 XYLENE, M AND/OR P	UG/M3	13	33		
SG07 SOLIDS, PERCENT	%			*	*
SP01 BHC, ALPHA, BY GC/EC	UG/KG			0.60	U 0.60
SP02 BHC, BETA, BY GC/EC	UG/KG			0.60	U 0.60
SP03 BHC, DELTA	UG/KG			0.90	U 0.90
SP04 BHC, GAMMA-(LINDANE), BY GC/EC	UG/KG			0.60	U 0.60
SP05 ALDRIN, BY GC/EC	UG/KG			0.60	U 0.60
SP06 DIELDRIN, BY GC/EC	UG/KG			0.90	U 0.90
SP07 ENDOSULFAN I, BY GC/EC	UG/KG			1.2	U 1.2
SP08 ENDOSULFAN II, BY GC/EC	UG/KG			9.0	U 9.0
SP09 ENDOSULFAN SULFATE, BY GC/EC	UG/KG			0.90	U 0.90
SP10 ENDRIN, BY GC/EC	UG/KG			2.4	U 2.4
SP11 ENDRIN ALDEHYDE, BY GC/EC	UG/KG			0.60	U 0.60
SP13 DDE-4,4'-	UG/KG			0.90	U 0.90

ANALYSIS REQUEST DETAIL REPORT

ACTIVITY: 8-AHX04

DRAFT REPORT

COMPOUND UNITS 001 002 003 004

4 DDD-4,4'-	UG/KG			9.0	U	9.0	U
5 DDT-4,4'-	UG/KG			1.2	U	1.2	U
16 TOXAPHENE, BY GC/EC	UG/KG			60	U	60	U
17 PCB-AROCLOR 1016	UG/KG			60	U	60	U
18 PCB-AROCLOR 1221	UG/KG			30	U	30	U
19 PCB-AROCLOR 1232	UG/KG			12	U	12	U
20 PCB-AROCLOR 1242	UG/KG			12	U	12	U
21 PCB-AROCLOR 1248	UG/KG			24	U	24	U
22 PCB-AROCLOR 1254	UG/KG			6.0	U	6.0	U
23 PCB-AROCLOR 1260	UG/KG			9.0	U	9.0	U
24 CHLORDANE, TECHNICAL, BY GC/EC	UG/KG			2.4	U	2.4	U
25 HEPTACHLOR, BY GC/EC	UG/KG			1.2	U	1.2	U
26 HEPTACHLOR EPOXIDE, BY GC/EC	UG/KG			0.60	U	0.60	U
60 METHOXYCHLOR, BY GC/EC	UG/KG			1.5	U	2.3	
41 ENDRIK KETONE, BY GC/EC	UG/KG			0.60	U	0.60	U
01 SAMPLE NUMBER	NA	001	002	003		004	
02 ACTIVITY CODE	NA	AHX04	AHX04	AHX04		AHX04	

ATTACHMENT D

Pre-CERCLIS Screening Form

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

I. SITE NAME AND LOCATION:

NAME: DeBruce Grain Elevator Explosion Site

ADDRESS OR OTHER LOCATION IDENTIFIER: 1/4 mile east of Highway 75 on County Road G

CITY: Haysville

STATE: Kansas

ZIP: 68061

DIRECTIONS TO SITE: From southbound Interstate 235, exit on Southwest Blvd (state Highway 2/42). Travel west on Southwest Blvd for approximately 1/2 mile to Hoover. Travel south on Hoover for approximately 3 miles where the facility is located on the west side of Hoover.

MAP ATTACHED: Yes, see Attachment 1, Figure 1

II. PROGRAM CONTACTS:

REQUESTED BY: Paul Doherty

DATE OF REQUEST: 12/09/97

AGENCY/OFFICE: Environmental Protection Agency/Region 7

MAILING ADDRESS: 726 Minnesota Avenue

CITY: Kansas City

STATE: Kansas

ZIP: 66101

TELEPHONE: (913) 551-7924

FAX: (913) 551-7063

EVALUATOR: Randy Schademann

AGENCY/OFFICE: Ecology and Environment, Inc.

MAILING ADDRESS: 6405 Metcalf, Cloverleaf Building #3, Suite 404

CITY: Overland Park

STATE: Kansas

ZIP: 66202

TELEPHONE: (913) 432-9961

FAX: (913) 432-0670

III. SITE INFORMATION:

TYPE OF FACILITY: Grain storage facility

TYPE OF OWNERSHIP: Private

OWNER/OPERATOR INFORMATION: Current owner: DeBruce Grain

SITE STATUS (active/inactive): Active

YEARS OF OPERATION: Unknown

OPERATIONAL HISTORY: (How was the site identified?) On June 8, 1998, an explosion occurred at DeBruce's Haysville, Kansas, grain storage facility. FEMA's US&R team was deployed to assist with search/rescue efforts. FEMA requested EPA's assistance with air monitoring during the search/rescue efforts.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

IV. SUPERFUND SITE SCREENING CRITERIA:

A. REMEDIAL CRITERIA

1. SOURCE AND WASTE CHARACTERISTICS

KNOWN OR SUSPECTED SOURCE TYPES AND LOCATIONS: The elevator used Phostoxin (phosphine) as a pesticide. The material was applied directly to the grain.

SIZE OF SOURCES AND QUANTITIES (Volume, Area): The entire grain storage complex may have been treated, however, a release to the environment is not suspected.

WASTE TYPES OR HAZARDOUS SUBSTANCES KNOWN OR SUSPECTED TO BE PRESENT: Because Phostoxin was appropriately applied, no hazardous substances are known to be present.

2. GROUND WATER PATHWAY:

What is the likelihood that a release to groundwater has occurred at the site? Because no release to the environment is suspected, contamination of the ground water is unlikely.

If a release is not suspected proceed to A.3.

a. USE AND CHARACTERISTICS:

GENERAL STRATIGRAPHY AND HYDROLOGY:

PRESENCE OF KARST TERRAIN:

DEPTH TO SHALLOWEST AQUIFER:

PRIVATE WELLS WITHIN 4 MILES (locations and population served):

MUNICIPAL WELLS WITHIN 4 MILES (locations and population served):

DISTANCE TO NEAREST DRINKING WATER WELL:

WELLHEAD PROTECTION AREAS:

3. SURFACE WATER PATHWAY:

What is the likelihood that a release to surface water has occurred at the site? Because no release to the environment is suspected, contamination of the surface water is unlikely.

If a release is not suspected proceed to A.4.

a. USE AND CHARACTERISTICS:

FLOOD FREQUENCY:

DISTANCE TO NEAREST SURFACE WATER:

SURFACE WATER BODIES WITHIN 15 DOWNSTREAM MILES:

DESIGNATED AND/OR PROTECTED USES OF SURFACE WATER BODIES:

DRINKING WATER INTAKES WITHIN 15 DOWNSTREAM MILES (locations and populations served):

FISHERIES WITHIN 15 DOWNSTREAM MILES:

KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS AND WETLANDS WITHIN 15 DOWNSTREAM MILES:

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

4. SOIL EXPOSURE PATHWAY:

What is the likelihood of exposure to hazardous substances at the site? Because no release to the environment is suspected, contamination of area soils is unlikely.

a. CHARACTERISTICS:

NUMBER OF PEOPLE LIVING WITHIN 200 FEET: None

SCHOOLS OR DAY-CARES WITHIN 200 FEET: None

POPULATIONS WITHIN 1 MILE: Unknown

NUMBER OF WORKERS AT THE FACILITY OR ADJACENT FACILITIES WHOSE CONTAMINATION IS SUSPECTED: Unknown

LOCATIONS OF KNOWN OR POTENTIAL TERRESTRIAL SENSITIVE ENVIRONMENTS: Unknown

5. AIR PATHWAY:

What is the likelihood that a release of hazardous substances is migrating from the site to the air? Because no release to the environment is suspected, an air release is unlikely.

If a release is not suspected proceed to B.

a. CHARACTERISTICS

POPULATIONS WITHIN 4 MILES:

DISTANCE TO NEAREST INDIVIDUAL:

LOCATIONS OF KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS WITHIN 0 TO 1/4 MILE AND 1/4 TO 1/2 MILE:

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

B. REMOVAL CRITERIA

IS THERE A RELEASE AS DEFINED BY THE NCP?

YES ☐ or NO ☒

EXPLAIN: Because no release to the environment is suspected, no release has occurred.

(A RELEASE is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release. [40 CFR 300.410(e)])

IS THE SOURCE A FACILITY OR VESSEL AS DEFINED BY THE NCP?

YES ☐ or NO ☒

EXPLAIN: Because there was no release, there is no source.

(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel. A VESSEL is defined as any description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel. [40 CFR 300.410(e)])

DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, OR POLLUTANT CONTAMINANT AS DEFINED BY THE NCP?

YES ☐ or NO ☒

EXPLAIN: No release is thought to have occurred.

(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas.) [40 CFR 300.410(e)]

IS THE RELEASE SUBJECT TO THE LIMITATIONS ON RESPONSE?

YES ☐ or NO ☒

EXPLAIN: No limitations on response apply.

(The LIMITATIONS ON RESPONSE provisions of the NCP (40 CFR 300.400(B)) states that removals shall not be undertaken in response to a release: of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.) [40 CFR 300.410(e)]

DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE?

YES ☐ or NO ☒

EXPLAIN: No.

[40 CFR 300.410(e)]

HAS A PRP BEEN IDENTIFIED? (Include name, address and telephone number)

YES ☒ or NO ☐

EXPLAIN: Because a release has not occurred, no PRP has been identified.

[40 CFR 300.410(e)]

IS THERE AN ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS, OR CONTAMINANTS?

YES ☐ or NO ☒

EXPLAIN: No.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

B. REMOVAL CRITERIA (continued):

IS THERE ACTUAL OR A POTENTIAL FOR CONTAMINATION OR DRINKING WATER SUPPLIES? YES ☐ or NO ☒

EXPLAIN: No.

ARE THERE HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, OR BULK STORAGE CONTAINERS? YES ☐ or NO ☒

EXPLAIN: No containers were observed at the site.

ARE THERE HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN NEAR-SURFACE SOILS? YES ☐ or NO ☒

EXPLAIN: No near surface contamination is thought to exist.

("High levels" may be determined by streamlined risk assessments, health consultations, state or federal soil screening criteria, and/or Superfund program policies or directives.)

ARE THERE CONDITIONS ON SITE WHICH MAY BE SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS? YES ☐ or NO ☒

EXPLAIN: None known.

IS THERE A THREAT OF FIRE OR EXPLOSION? YES ☐ or NO ☒

EXPLAIN: The initial blast is thought to have been triggered by grain dust. No such further threat is suspected.

IS THERE A POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS? YES ☒ or NO ☐
IF SO, IDENTIFY THE APPROPRIATE PROGRAM:

☐ RCRA ☐ NRC ☐ FIFRA ☐ UST ☐ OTHER FEDERAL (FEMA) ☐ STATE DEFERRAL

EXPLAIN:

ARE THERE OTHER SITUATIONS OR FACTORS WHICH WARRANT FURTHER SUPERFUND RESPONSE? YES ☐ or NO ☒

EXPLAIN: No such conditions have been identified.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

V. SUPERFUND SITE SCREENING FINDINGS AND RECOMMENDATIONS:

X NO FURTHER SUPERFUND RESPONSE ACTION REQUIRED—SUPERFUND CERCLIS ENTRY NOT WARRANTED

(Cite the appropriate criteria from SECTION IV as the basis for the above determination.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
	X		Ground Water Pathway Threat		X		Direct Exposure Pathway Threat
	X		Surface Water Pathway Threat		X		Air Pathway Threat
	X		Release Or Threat Of Release		X		Subject To Response Limitations
X			A Facility Or Vessel			X	Willing/Capable PRP Response
	X		Actual Or Potential Exposure Threats		X		Drums, Barrels Or Bulk Containers Present
	X		High Levels Of Contaminants In Surface Soils		X		Site Susceptible To Adverse Weather Conditions
	X		Threat Of Fire Or Explosion		X		Referred To Another Program

COMMENT: The DeBruce Grain elevator in Haysville, Kansas, was the site of an explosion in June 1998. The explosion is thought to have been the result of ignited grain dust. DeBruce regularly applied Phostoxin to the grain as a pesticide. No misuse of the chemical is known to have occurred. Real-time monitoring and samples of the air and grain did not detect any residual pesticide contamination.

REMOVAL ACTION RECOMMENDED: ☐ EMERGENCY ☐ TIME-CRITICAL ☐ NON-TIME-CRITICAL

(Cite one or more of the conditions or factors from Section IV. REMOVAL CRITERIA, as a basis for recommending that a removal action be conducted.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Exposure To Hazardous Substances Or Pollutants Or Contaminants				Adverse Weather Impacts
			Contaminated Drinking Water				Fire/Explosion Threat
			Contaminated Soil				Drums, Barrels Or Containers
			Other Response Mechanism				Other Factors

COMMENT:

(Complete Recommended Removal Action Attachment and the Site Prioritization Information Summary Attachment for sites recommended for a Removal Action.)

ADDITIONAL INTEGRATED ASSESSMENT RECOMMENDED

(Cite the appropriate criteria from Section IV as a basis for recommending that additional site evaluation be performed.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Groundwater Pathway Threat				Direct Exposure Pathway Threat
			Surface Water Pathway Threat				Air Pathway Threat
			Release Of Hazardous Substances Or Pollutants Or Contaminants				The Source Is A Facility As Defined By The NCP
			CERCLA "Limitations On Response" Provisions Do Not Apply				Contaminants Present In Sufficient Quantity And/Or Concentration
			Willing/Capable PRPS Willing To Respond At This Time				Actual Or Potential Exposure Threat
			Drums, Barrels Or Containers Are Present				High Levels Of Contaminants In Surface Soils
			The Site Is Susceptible To Adverse Weather Conditions				A Threat Of Fire Or Explosion
			Other Federal, State, Or Other Response Mechanisms Available To Investigate The Site				Endangered Species, Wetlands, Or Other Sensitive Environments Which May Be Impacted By The Site

OTHER (DESCRIBE):

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

VI. ADDITIONAL INFORMATION OR COMMENTS:

(NOTE: Complete Site Prioritization Information Summary Attachment for sites recommended for further Integrated Assessment work.)

EPA USE ONLY

SIGNATURE: _____

DATE: _____

POSITION/TITLE: _____

OFFICE/AGENCY: _____

EPA

Technical Direction Document (TDD)

07-98-06-0012

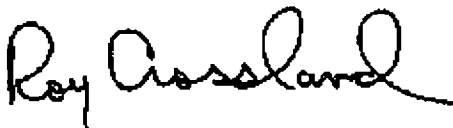
START CONTRACT #: 68-W6-0012

Activity Type: IV.D. Technical Support Activities		Created On: 06/19/98
Task: Federal Disaster Assistance		DPO/PO: Roy Crossland
General Task Description: START is tasked to provide assistance to the EPA/OSC under an ESF#10 from FEMA. This is for the DeBruce Grain Elevator explosion in Hayesville, KS. START should be prepared to perform air monitoring and sampling on site.		Task Monitor: Jim MacDonald
Estimated Completion Date: 09/15/98		Task Codes: TF; --
Site/Project Name: DEBRUCE GRAIN ELEVATOR EXPLOSION		Estimated Cost: \$7,500.00
City, State, Zip: Hayesville, KS		Estimated Hrs: 150
Funds Source: Other		Deliverable: Letter Report
DCN #(s):		Overtime: Not Applicable
W18151 (???) FEMA/Hayesville Grain Bin \$7,500.00		Reference: No
TDD Expenditure Limit: \$7,500.00		Staffing: Dedicated and Non-Dedicated
Hours: 150		Priority: Medium
		Start Date: 06/15/98

Specific Element(s): Conduct site visit/reconnaissance, Collect environmental media samples, including air, soil, and water

Comments: THIS IS A COST REIMBURSABLE TASK FROM FEMA UNDER A ESF#10. A SITE SPECIFIC PR AND DCN SHOULD BE ISSUED SOON ON THIS TASK FOR CHARGES. MISSION ASSIGNMENT EPA-01 FOR DISASTER #EM3126 IN HAYSVILLE, KANSAS. REIMBURSABLE NO. 98 BR 07WOX01 6FX.

A. TDD Created By: - Signed by Roy Crossland/SUPR/R7/USEPA/US on 06/19/98 10:49:15 AM, according to

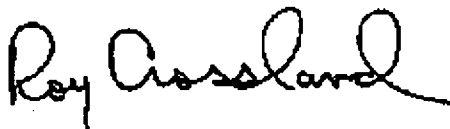


Roy Crossland

06/15/98

Signed On:

B. Reviewed and Approved By: - Signed by Roy Crossland/SUPR/R7/USEPA/US on 06/19/98 10:49:15 AM,



Project Officer:

Roy Crossland

06/19/98

Signed On:



Acknowledgement of Completion (AOC)

07-98-06-0012

START CONTRACT #:68-W6-0012

Site Name: DEBRUCE GRAIN ELEVATOR EXPLOSION Activity Type: IV.D. Technical Support Activities Task: Federal Disaster Assistance Task Codes: TF; --	Priority: Medium DPO/PO: Roy Crossland Task Monitor: Jim MacDonald
E.L. Hours: 150 E.L. Cost: \$7,500.00 Dedicated: 150 Non-Dedicated: 0	Source of Funds: Other Date Created: 10/11/98 Deliverable: Letter Report

Contractor Section: - Signed by Jamie Sotomayor/START on 10/11/98 10:35:41 AM, accor
Completion Date: 10/11/98

Final Hours: Dedicated: 159 Non-Dedicated: 0 Final Cost: \$6,945.00	DCN charging: W18151 (BBT) FEMA/Hayesville Grain Bin \$6,945.00
--	--

Activities Performed:

An explosion at the DeBruce Grain Elevator in Hayesville, Kansas, resulted in the loss of life and potential entrapment of employees. The Federal Emergency Management Agency (FEMA) coordinated the search and rescue efforts. FEMA requested EPA's assistance to monitor the air quality while the search for survivors/victims was being conducted. Three START members conducted around-the-clock monitoring for ammonia and phosphine gas (phosphine was used as an insecticide at the elevator) inside the tunnels that run under the grain silos. Samples were collected from the grain for pesticide/herbicide residue to determine whether exposure may cause long-term health effects. Numerous photographs were taken to document site activities at the site which garnered national attention. A letter report was developed and delivered to the EPA.

Contractor Signature:

I certify that all required tasks have been completed and all deliverables submitted and approved:

10/11/98

Signed On:

EPA Action:

Disaster Name: Debruce Grain Elevator, Haysville, Kansas

Page 4 (Continued)

OTHER CONTRACTOR COSTS		
Contractor Name	Contract Number	Total Cleanup Contractor Cost
None		

Total Other Contractor Costs: \$0.00

ATTACHMENTS:

___ ESF #10 Regional Chair Certification and Invoice Summary

___ Authorization to Proceed

___ Daily Cost Summaries (These are not required unless other documentation cannot be provided.)

Disaster Name: DeBruce Grain Elevator, Haysville, Kansas

Page 5

OTHER EPA COSTS			
Description	Usage (Hours, Days)	Rate	Cost
None			

Total Other EPA Costs: \$0.00

Disaster Name: DeBruce Grain Elevator, Haysville, Kansas

Page 6

OTHER FEDERAL AGENCY COSTS		
Agency Name	Activity Description	Total Costs
None		

Total Other Federal Agency Costs: \$0.00

ATTACHMENTS:

___ Interagency Agreement (IAG)

___ Emergency Funding Authorization (EFA)

___ Other Federal Agency Cost Summary

AD 129 12/17/98 4
Standard Form 1034
Revised January 1980
Department of the Treasury
I TFRM 4-2000
1034-118

PUBLIC VOUCHER FOR PURCHASES AND
SERVICES OTHER THAN PERSONAL

VOUCHER NO.
034

SCHEDULE NO.

U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION

Environmental Protection Agency
Financial Management Division (MD-32)
Research Triangle Park, NC 27711
Attention: Administration

DATE VOUCHER PREPARED
November 10, 1998

PAID BY

CONTRACT NUMBER AND DATE
68-W6-0012

DATE INVOICE RECEIVED

REQUISITION NUMBER AND DATE

DISCOUNT TERMS

PAYEE'S
NAME
AND
ADDRESS

Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086

ACH

PAYEE'S ACCOUNT NUMBER

GOVERNMENT B/L NUMBER

SHIPPED FROM

TO

WEIGHT

NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES (Enter description, item number of contract of Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE		AMOUNT
				COST	PER	
	8/30/98 thru 9/26/98	START TEAMS: REGION VII For Cost Details, See Attached COST REIMBURSABLE PROVISIONAL PAYMENT				\$451,998.20
"I certify that all payments requested are for appropriate purposes in accordance with the agreements set forth in the contract."						
NAME OF OFFICIAL: <i>[Signature]</i> START REGION VII PROGRAM MANAGER						

(Use continuation sheet(s) if necessary)

(Payee must NOT use the space below)

TOTAL

\$451,998.20

PAYMENT:

— PROVISIONAL
— COMPLETE
— PARTIAL
— FINAL
— PROGRESS
— ADVANCE

APPROVED FOR

= \$

EXCHANGE RATE

= \$1.00

DIFFERENCES

BY²

Amount verified;
correct for

TITLE

(Signature or initials)

Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment.

SITE SPECIFIC
REDISTRIBUTION

(Date)

(Authorized Certifying Officer)²

(Title)

ACCOUNTING CLASSIFICATION

PAID
BY

CHECK NUMBER

ON ACCOUNT OF U.S. TREASURY

CI

k)

CASH
\$

DATE

PAYEE

- 1 When stated in foreign currency, insert name of currency.
- 2 If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title.
- 3 When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

PER

TITLE

PRIVACY ACT STATEMENT

The information requested on this form is required under the provisions of 31 U.S.C. 82b and 82c, for the purpose of disbursing Federal money. The information requested is to identify the particular creditor and the amounts to be paid. Failure to furnish this information will hinder discharge of the payment obligation.



United States Environmental Protection Agency
PROJECT OFFICER INVOICE APPROVAL

Date Due To RTP-FMC 12/08/98

Accounting Distribution Information

(as of 11/23/98)

Contract.....	68W60012	Invoice Amount.....	\$451,998.20
Contract Period.....	BASE	Less: Discounts.....	\$0.00
Delivery Order.....		Holdbacks.....	\$0.00
		Suspensions.....	\$0.00
Invoice.....	34	Net Invoice Amount.....	\$451,998.20
Date Invoice Received.....	11/20/98	(per RTP-FMC's Initial Review)	
Performance Period	08/30/98 - 09/26/98		

Last Invoice Audited by RTP-FMC:.....	33	Last Funding Document.....	MOD 35
--Date Completed.....	11/16/98	--Date Processed By RTP-FMC:	11/17/98
--Approved Payment Amount.....	\$299,110.30	Total Funds Obligated.....	\$22,444,902.86
Cumulative Invoice Amounts Paid....	\$11,344,293.57	Total Funds Remaining.....	\$11,100,609.29

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AHN	EAR265	9697	B	75E	BPU			2505	\$43,727.22	
AFB	PP0053	96	H	72P	HG7			2505	\$10,418.52	1128 65
AKO	PP0102	96	H	72P	HG7			2505	\$10,716.65	
AWK	W10027	97	HR	07W0X13	P8X			2505	\$13,671.93	
AZS	W10076	97	HR	07W0X15	P8X			2505	\$6,028.67	
AZU	W10079	9798	B	07W	J1X			2583	\$21,998.94	
AKN	W10134	96	H	07W	HG7			2505	\$65,616.05	2800 84
A2P	W10155	97	HR	07W0X08	P8X			2505	\$2,338.50	
BBT	W18151	98	BR	07W0X01	6FX			2505	\$1,425.19	1298 65
AHO	EAR279	96	T	75E	TFA	HQC0BM00		2505	\$0.02	

(Refer to continuation page/s for additional accounts)

☐ Check here if there are attachments supporting the accounting distribution information

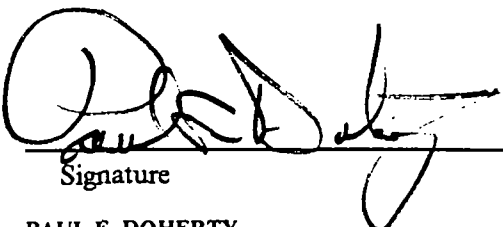
Invoice Approving Official Certification

I have reviewed the invoice submitted by the contractor and other supporting financial data readily available to me. Although this does not imply that a thorough detailed audit has been performed, to the best of my knowledge I have determined this payment is in accordance with the contract terms and limitations and that either: 1) sufficient progress has been made by the contractor, costs appear to be reasonable and appropriate, or 2) goods or services have been delivered in full from the contractor. I acknowledge that any knowingly false or misleading representation may be punishable by fine or imprisonment or both under applicable law.

☒ Approved, as submitted by RTP-FMC to the Approving Official ☐ # Approved, with suspension by the Approving Official ☐ # Disapproved by the Approving Official

* All Superfund "WQ" accounts must be distributed to specific sites on invoice attachment.

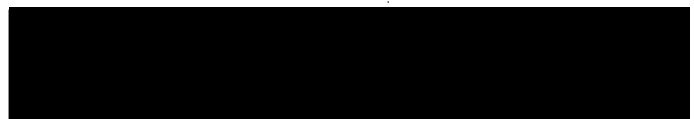
Complete EPA Form 1900-68 and attach a copy with the "Return Form".

 12/6/98
Signature Date

PAUL E. DOHERTY
913 551-7924 FAX: 913 551-7063 EMAIL: DOHERTY.PAUL

Bar Code: 

(ADA)



Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 34

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
BDW	SCX001	98	T	72K	FAX	HQ00BM00		2501	\$12,000.00	<u>294 18</u>
AJK	DA0029	96	T	72D	TFA	HQ00JT00		2505	\$19,474.43	
AKK	DA0049	96	T	72D	TFA	HQ00JT00		2505	\$6,171.81	<u>4 73</u>
BFW	PU1005	98	H	72P	G7X	ZQ00		2505	\$30,000.00	
BFU	W18238	98	H	07W	G7X	Z700		2505	\$3,000.81	<u>(5785 72)</u>
A5K	W18014	98	HR	07W	P8X	Z717		2505	\$754.03	
A70	W18045	98	HR	07W	P8X	Z718		2505	\$201,778.72	<u>7453 58</u>
BBQ	W18126	98	HR	07W	P8X	Z721		2505	\$10,148.80	<u>141 55</u>
BG5	W19001	99	HR	07W0X23	50203D	Z723		2505	\$20,000.00	<u>7759 18</u>
BFT	W18204	98	HR	07W	P8X	Z726		2505	\$14,500.00	<u>5709 92</u>
BG4	W19005	99	HR	07W0X27	50203D	Z727		2505	\$10,000.00	
A3P	W10138	97	T	07W0F	FAX	07AWLW01	C002	2505	\$0.81	
BE5	W98085	98	T	7AW0J	FAX	07CSRS00	C004	2505	\$49,553.06	<u>18777 32</u>
A3U	W10132	97	T	7AW0J	FAX	07HWC001	C001	2505	\$29,733.20	
BBD	W98056	98	T	7AW0E	FAX	07JJB00	C001	2505	\$10,915.00	<u>5733 00</u>
BBC	W98055	98	T	7AW0E	FAX	07JLB00	C001	2505	\$7,500.00	
ARH	W50005	97	T	7AW0E	FAX	07NYBB01	C003	2505	\$40,806.17	
BFN	W98093	98	T	7AW0J	FAX	07SNHR00	C001	2505	\$50,000.00	
BBR	W98068	98	T	7AW0J	FAX	07WCHR00	C001	2505	\$52,500.00	
AHQ	W10005	96	T	7AW0E	TFA	07WQBN00*		2505	\$3,640.32	
A2L	W10081	97	T	7AW0J	FAX	07WQBN00*	C052	2505	\$556,209.50	<u>44829 64</u>
AAK	W20040	96	T	7AW0E	TFA	07WQBN00*		2505	\$21,825.44	
AKL	W20122	96	T	7AW0E	TFA	07WQBN00*		2505	\$393,497.19	<u>28630 47</u>
A1X	W10090	97	T	7AW0J	FAX	07WQBZ00*	C052	2505	\$255,420.72	<u>210 93</u>
AAI	W10002	96	T	7AW0J	TFA	07WQEA00*	8-330	2505	\$1,342.48	<u>95 54</u>
AE8	W10006	96	T	7AW0J	TFA	07WQEA00*		2505	\$2,803.75	
AYS	W10052	97	T	7AW0J	FAX	07WQEA00*	C052	2505	\$698,865.87	<u>173204 49</u>
A1Y	W10091	97	T	7AW0J	FAX	07WQEA00*	C007	2505	\$22,947.45	
A7Q	W98026	98	T	7AW0E	FAX	07WQLA00*	C007	2505	\$103,262.60	
AXI	W10039	97	T	7AW0J	FAX	07WQBB00*	C052	2505	\$191,045.16	<u>5574 87</u>
BBU	W18149	98	T	07W0F	FAX	07WQBB00*	C061	2505	\$100,000.00	<u>474 03</u>
A98	W98036	98	T	7AW0J	FAX	07WQWQ00*	C001	2505	\$6,784,295.30	<u>144157 10</u>
BBE	W98062	98	T	7AW0J	FAX	07WSTS00	C001	2505	\$75,000.00	
A3L	W10164	97	T	07W0F	FAX	07WTGS00	C001	2505	\$107,645.04	
A2N	W10183	97	TR2	07W	UBX	07X4BE01	C001	2505	\$5,500.00	

(Refer to continuation page/s for additional accounts)

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 34

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
BE6	W18168	98	TR2	07W	UBX	07X4BF01	C001	2505	\$6,934.87	<u>2693.55</u>
AGP	W50004	96	T	07W	TGB	07X4GE00		2505	\$1,935.41	
BFM	W18149	98	T	07W0F	FAX	07ZZQB00	C061	2505	\$175,000.00	
BFX	W18229	98	T	07W0F	FAX	07ZZWQ00	C008	2505	\$207,000.00	
A3K	W10117	97	T	7AW0J	FAX	0700BN00	C052	2505	\$0.01	
A3R	W10230	97	T	07W	FAX	0700BN00		2505	\$35,618.98	<u>4849.93</u>
BFP	W18161	98	T	0700D	FAX	0700BZ00	C002	2505	\$100,000.00	
BFO	W18162	98	T	0700D	FAX	0700BZ00	C002	2505	\$375,000.00	
BFV	W98101	98	T	7AW0J	FAX	0700JT00	C002	2505	\$10,000.00	
A3S	W10163	97	T	07W0F	FAX	072XLV01	C002	2505	\$50,000.00	
A3T	W10163	97	T	07W0F	FAX	072XLW01	C001	2505	\$30,000.00	
BBS	W18122	98	T	07W0F	FAX	078GGS00	C001	2505	\$41,040.67	<u>2886.77</u>

AUH W50011 97 T 7AW0J FAX 07C5GH01 C001 2505 (60.02)

TOTAL DISTRIBUTED

\$451,998.20

Voucher 34
\$1,128.65
\$2,800.84
\$1,298.65
\$294.18
\$4.73
\$-5,785.72
\$7,453.58
\$141.55
\$7,759.18
\$5,709.92
\$18,777.32
\$5,133.00
\$44,564.64
\$28,630.47
\$210.93
\$95.54
\$173,204.49
\$5,574.89
\$474.03
\$144,157.10
\$2,693.55
\$4,849.93
\$2,886.77
\$-60.02
\$451,998.20

Contract.....: 68W60012
Delivery Order.....:
Invoice.....: 34

Return Form

- 1) Insert this page face up in the "Pink" envelope such that RTP-FMC's return address appears in the window.
- 2) Verify, correct and/or add information regarding your name and address profile, including the assignment or correction to your Alternate Approving Official and Supervisor. **Only a Project/Delivery Order Officer or Contracting Officer can assign an Alternate Approving Official.**

Validate, correct and/or add name & address information.

Invoice Approving Official:

Name.....: PAUL E. DOHERTY
Address.....: EPA, SUPERFUND DIVISION
726 MINNESOTA AVE
KANSAS CITY, KS 66101
Phone Number.: 913 551-7924 FAX: 913 551-7063
Email Code.....: DOHERTY.PAUL

Name change requires submission of EPA
Form 1900-65 to Contracting Officer

Approving Official's Alternate:

Name.....: ROY J. CROSSLAND
Address.....: EPA, SUPERFUND DIVISION
726 MINNESOTA AVENUE
KANSAS CITY, KS 66101
Phone Number.: 913 551-7965 FAX: 913 551-7948
Email Code.....: CROSSLAND.ROY

(Can only be assigned by the PO, DOPO or CO)

Approving Official's Supervisor:

Name.....: MICHAEL J. SANDERSON
Address.....: EPA, IMMEDIATE OFFICE, SUPERFUND DIVI
726 MINNESOTA AVE.
KANSAS CITY, KS 66115
Phone Number.: 913 551-7664
Email Code.....:

RTP-FMC's Return Address -- >

(ensure address appears in the
Pink Envelope window)

U. S. Environmental Protection Agency
RTP-Financial Management Center
(MD-32)
Research Triangle Park, NC 27711

Reminder: EPA Form 1900-68, "Notice of Contract Costs Suspended and/or Disallowed" must be attached to this approval form to affect a reduction in the invoice amount to the vendor. This form is available from your contracting officer

Bar Code.



(ADA)



Contractor: Ecology and Environment, Inc.
Contract Number: 68-W6-0012

DCN SUMMARY

Sep-98

Invoice Number: 34

FUNDING SOURCE	Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
AEC003 CERCLA/SARA	26,000.00	-	-	-	26,000.00	0.00
DA0004 CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
DA0021 CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
DA0029 CERCLA/SARA	893,714.00	4.49	0.24	4.73	893,712.73	1.27
DA0049 CERCLA/SARA	496,508.00	-	-	-	490,705.07	5,802.93
DB0004 CERCLA/SARA	320,000.00	-	-	-	320,000.00	0.00
DB0008 CERCLA/SARA	320,000.00	-	-	-	320,000.00	0.00
DB0016 CERCLA/SARA	350,000.00	-	-	-	350,000.00	0.00
EAR052 CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR127 CEPP	160,000.00	-	-	-	160,000.00	0.00
EAR141 CEPP	160,000.00	-	-	-	160,000.00	0.00
SCX001 CERCLA TRAINING	12,000.00	279.13	15.05	294.18	294.18	11,705.82
EAR158 CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR238 CEPP	20,000.00	-	-	-	20,000.00	0.00
EAR265 CEPP	50,000.00	-	-	-	6,272.78	43,727.22
EAR279 CEPP	85,000.00	-	-	-	85,000.00	0.00
PP0014 OPA	10,000.00	-	-	-	10,000.00	0.00
PP0034 OPA	25,000.00	-	-	-	25,000.00	0.00
PP0053 OPA	40,000.00	1,070.90	57.75	1,128.65	30,710.12	9,289.88
PP0102 OPA	20,000.00	-	-	-	9,283.34	10,716.66
W10001 CERCLA/SARA	50,000.00	-	-	-	50,000.00	0.00
W10002 CERCLA/SARA	50,000.00	90.65	4.89	95.54	48,753.05	1,246.95
W10004 CERCLA/SARA	50,000.00	-	-	-	50,000.00	0.00
W10005 CERCLA/SARA	500,000.00	-	-	-	499,410.15	589.85
W10006 CERCLA/SARA	50,000.00	-	-	-	47,196.25	2,803.75
W10008 CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
W10016 CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
W10027 OPA - SITE SPECIFIC	30,000.00	-	-	-	16,328.07	13,671.93
W10038 CERCLA/SARA	100,000.00	-	-	-	100,000.00	0.00
W10039 CERCLA/SARA - Site Assessment	250,000.00	5,289.64	285.25	5,574.89	64,529.73	185,470.27
W10041 OPA - SITE SPECIFIC	8,000.00	-	-	-	8,290.11	(290.11)
W10043 OPA - SITE SPECIFIC	5,000.00	-	-	-	5,000.00	0.00
W10052 CERCLA/SARA - Site Assessment	1,910,440.00	164,342.15	8,862.34	173,204.49	1,384,882.63	525,557.37
W10063 CERCLA/SARA - Removal	680,000.00	-	-	-	680,000.00	0.00
W10076 OPA - SITE SPECIFIC	13,250.00	-	-	-	7,250.92	5,999.08
W10079 COMM. BASED ENVIRONMENTAL ACTIVITIES	30,000.00	-	-	-	8,001.08	21,998.92
W10081 CERCLA/SARA- Removal	1,500,000.00	42,284.40	2,280.24	44,564.64	988,355.14	511,644.86
W18161 CERCLA/SARA - Brownfields	100,000.00	-	-	-	0.00	100,000.00
W18162 CERCLA/SARA - Brownfields	300,000.00	-	-	-	0.00	300,000.00
W10090 CERCLA/SARA - Brownfields	300,000.00	200.14	10.79	210.93	44,790.22	255,209.78
W10091 CERCLA/SARA - Dioxin Air Sample Analysis	100,000.00	-	-	-	77,052.56	22,947.44
W10097 CERCLA - REMOVAL SITE SPECIFIC	75,000.00	-	-	-	75,000.00	0.00
W10105 CERCLA/SARA	250,000.00	-	-	-	250,000.00	0.00
W10117 CERCLA/SARA - Hazcat OSC Training	3,000.00	-	-	-	3,000.00	0.00
W10132 CERCLA/SARA - Site Specific	29,960.00	-	-	-	226.81	29,733.19

Contractor: Ecology and Environment, Inc.
Contract Number: 68-W6-0012

DCN SUMMARY

Sep-98

Invoice Number: 34

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
W10134	OPA	100,000.00	2,657.53	143.31	2,800.84	37,184.83	62,815.17
W10138	CERCLA/SARA - Site Specific	205.00	-	-	-	315.97	(110.97)
W10155	OPA - SITE SPECIFIC	2,500.00	-	-	-	161.50	2,338.50
W10163	CERCLA/SARA	80,000.00	-	-	-	0.00	80,000.00
W10164	CERCLA/SARA - Site Specific	130,000.00	-	-	-	22,354.96	107,645.04
W10183	CERCLA - REMOVAL SITE SPECIFIC	5,500.00	-	-	-	0.00	5,500.00
W18168	CERCLA/SARA - Site Specific	10,000.00	2,555.73	137.82	2,693.55	5,758.68	4,241.32
W10184	CERCLA/SARA - Site Specific	15,000.00	-	-	-	15,000.00	0.00
W10224	CERCLA/SARA - Remedial Site Specific	94.86	-	-	-	94.86	0.00
W10230	CERCLA/SARA - Counter Terrorism Training	40,000.00	4,601.77	248.16	4,849.93	9,230.95	30,769.05
W18014	OPA - SITE SPECIFIC	2,000.00	-	-	-	1,243.95	756.05
W18045	OPA - SITE SPECIFIC	285,120.00	7,072.20	381.38	7,453.58	90,794.85	194,325.15
W18151	FEMA REIMBURSABLE	7,500.00	1,232.20	66.45	1,298.65	7,373.46	126.54
PU1005	OPA	30,000.00	-	-	-	0.00	30,000.00
W19001	OPA - SITE SPECIFIC	20,000.00	7,362.17	397.01	7,759.18	7,759.18	12,240.82
W18238	OPA	9,000.00	(5,489.68)	(296.04)	(5,785.72)	213.47	8,786.53
W18149	CERCLA/FUD'S	100,000.00	449.78	24.25	474.03	474.03	99,525.97
W18165	CERCLA/SARA - Site Specific	5,000.00	-	-	-	5,000.00	0.00
W18122	CERCLA/SARA - Site Specific	60,000.00	2,739.06	147.71	2,886.77	21,846.09	38,153.91
W18204	OPA - SITE SPECIFIC	14,500.00	5,417.76	292.16	5,709.92	5,709.92	8,790.08
W18126	OPA - SITE SPECIFIC	4,000.00	134.31	7.24	141.55	3,992.76	7.24
W20040	CERCLA/SARA	50,000.00	-	-	-	28,174.55	21,825.45
W20122(R)	CERCLA/SARA - Removal	1,650,000.00	27,165.54	1,464.93	28,630.47	1,285,135.29	364,864.71
W20122(S)	CERCLA/SARA - Site Assessment	650,000.00	-	-	-	650,000.00	0.00
W50004	CERCLA/SARA	5,000.00	-	-	-	3,064.58	1,935.42
W50005	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	-	-	-	9,193.83	40,806.17
W98085	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	17,816.54	960.78	18,777.32	19,224.26	30,775.74
W50011	CERCLA - REMOVAL SITE SPECIFIC	60,000.00	(56.95)	(3.07)	(60.02)	59,939.98	0.00
W70004	CERCLA - REMOVAL SITE SPECIFIC	15,000.00	-	-	-	15,000.00	0.00
W98014	CERCLA/SARA - Analytical Support Services	150,000.00	-	-	-	150,000.00	0.00
W98026	CERCLA/SARA - Analytical Support Services	300,000.00	-	-	-	196,737.40	103,262.60
W98036	CERCLA/SARA	7,365,000.00	136,781.02	7,376.08	144,157.10	724,861.79	6,640,138.21
W98047	CERCLA - REMOVAL SITE SPECIFIC	12,000.00	-	-	-	12,000.00	0.00
W98055	CERCLA/SARA - Site Specific	7,500.00	-	-	-	0.00	7,500.00
W98056	CERCLA/SARA - Site Specific	22,500.00	4,870.36	262.64	5,133.00	16,718.00	5,782.00
W98062	CERCLA/SARA - Site Specific	75,000.00	-	-	-	0.00	75,000.00
TOTALS		21,855,291.86	428,870.84	23,127.36	451,998.20	11,819,604.03	

Standard Form 1034 Revised January 1980 Department of the Treasury 1 TFRM 4-2000 1034-118		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL		VOUCHER NO. <div style="border: 1px solid black; border-radius: 50%; width: 30px; text-align: center; margin: 0 auto;">033</div>	
				SCHEDULE NO.	
U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION Environmental Protection Agency Financial Management Division (MD-32) Research Triangle Park, NC 27711 Attention: Administration		DATE VOUCHER PREPARED October 8, 1998		PAID BY	
		CONTRACT NUMBER AND DATE 68-W6-0012		DATE INVOICE RECEIVED	
		REQUISITION NUMBER AND DATE		DISCOUNT TERMS	
PAYEE'S NAME AND ADDRESS <div style="border: 1px solid black; border-radius: 50%; width: 150px; height: 40px; margin: 0 auto; text-align: center;"> Ecology and Environment, Inc. 368 Pleasant View Drive Lancaster, NY 14086 </div>		PAYEE'S ACCOUNT NUMBER		GOVERNMENT B/L NUMBER	
SHIPPED FROM		TO		WEIGHT	
NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES <small>(Enter description, item number of contract of Federal supply schedule, and other information deemed necessary)</small>	QUANTITY	UNIT PRICE <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">COST</div> <div style="width: 45%;">PER</div> </div>	
	8/2/98 thru 8/29/98	START TEAMS: REGION VII For Cost Details, See Attached COST REIMBURSABLE PROVISIONAL PAYMENT			AMOUNT <div style="text-align: right;">\$299,110.30</div>
"I certify that all payments requested are for appropriate purposes in accordance with the agreements set forth in the contract." NAME OF OFFICIAL: <i>[Signature]</i>			START REGION VII PROGRAM MANAGER		
(Use continuation sheet(s) if necessary) (Payee must NOT use the space below)				TOTAL <div style="text-align: right;">\$299,110.30</div>	
PAYMENT: <input type="checkbox"/> PROVISIONAL <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL <input type="checkbox"/> PROGRESS <input type="checkbox"/> ADVANCE		APPROVED FOR BY ²	EXCHANGE RATE = \$1.00	DIFFERENCES <div style="text-align: right; font-size: 1.2em;">11-1798</div> <div style="text-align: right;">601</div>	
		TITLE		Amount verified; correct for (Signature or initials)	
Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment.					
_____ (Date)		_____ (Authorized Certifying Officer) ²		_____ (Title)	
ACCOUNTING CLASSIFICATION					
PAID BY	CHECK NUMBER		ON ACCOUNT OF U.S. TREASURY		CHECK
	CASH \$		DATE		PAYEE
¹ When stated in foreign currency, insert name of currency. ² If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title. ³ When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.			PER		
			TITLE		

PRIVACY ACT STATEMENT

The information requested on this form is required under the provisions of 31 U.S.C. 82b and 82c, for the purpose of disbursing Federal money. The information requested is to identify the particular creditor and the amounts to be paid. Failure to furnish this information will hinder discharge of the payment obligation.



United States Environmental Protection Agency

PROJECT OFFICER INVOICE APPROVAL

Date Due To RTP-FMC 11/12/98

Accounting Distribution Information

(as of 10/28/98)

Contract.....:	68W60012	Invoice Amount.....:	\$299,110.30
Contract Period.....:	BASE	Less: Discounts.....:	\$0.00
Delivery Order.....:		Holdbacks.....:	\$0.00
		Suspensions.....:	\$0.00
Invoice.....:	33	Net Invoice Amount.....:	\$299,110.30
Date Invoice Received.....:	10/27/98	(per RTP-FMC's Initial Review)	
Performance Period	08/02/98 - 08/29/98		

Last Invoice Audited by RTP-FMC:.....	32	Last Funding Document.....:	MOD 34
--Date Completed.....:	10/15/98	--Date Processed By RTP-FMC:	09/30/98
--Approved Payment Amount.....:	\$725,716.92	Total Funds Obligated.....:	\$22,414,902.86
Cumulative Invoice Amounts Paid.....:	\$11,045,183.27	Total Funds Remaining.....:	\$11,369,719.59

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AAL	AEC003	9697	B	E2A	BR2			2505	\$218.70	218 70
AHN	EAR265	9697	B	75E	BPU			2505	\$43,727.22	
AAB	PP0014	96	H	72P	HG7			2505	\$81.57	81 57
AAJ	PP0034	96	H	72P	HG7			2505	\$57.03	57 03
AFB	PP0053	96	H	72P	HG7			2505	\$12,337.58	1217 45
AKO	PP0102	96	H	72P	HG7			2505	\$10,716.65	
AWK	W10027	97	HR	07W0X13	P8X			2505	\$13,671.93	
AXH	W10043	97	HR	07W	P8X			2505	\$341.22	341 22
AZS	W10076	97	HR	07W0X15	P8X			2505	\$6,028.67	
AZU	W10079	9798	B	07W	J1X			2583	\$21,998.94	

(Refer to continuation page/s for additional accounts)

☐ Check here if there are attachments supporting the accounting distribution information

Invoice Approving Official Certification

I have reviewed the invoice submitted by the contractor and other supporting financial data readily available to me. Although this does not imply that a thorough detailed audit has been performed, to the best of my knowledge I have determined this payment is in accordance with the contract terms and limitations and that either: 1) sufficient progress has been made by the contractor, costs appear to be reasonable and appropriate, or 2) goods or services have been delivered in full from the contractor. I acknowledge that any knowingly false or misleading representation may be punishable by fine or imprisonment or both under applicable law.

☒ Approved, as submitted by RTP-FMC to the Approving Official ☐ # Approved, with suspension by the Approving Official ☐ # Disapproved by the Approving Official

* All Superfund "WQ" accounts must be distributed to specific sites on invoice attachment.

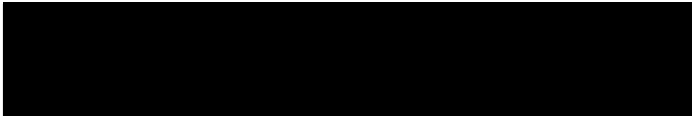
Complete EPA Form 1900-68 and attach a copy with the "Return Form".

 10/28/98
Signature Date

Bar Code: 

(ADA)

PAUL E. DOHERTY
913 551-7924 FAX: 913 551-7063 EMAIL: DOHERTY.PAUL



Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 33

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AKN W10134	96	H		07W	HG7			2505	\$67,160.19	1544 14
A2P W10155	97	HR		07W0X08	P8X			2505	\$1,997.28	(341 22)
BBT W18151	98	BR		07W0X01	6FX			2505	\$2,291.00	865 21
AHO EAR279	96	T		75E	TFA	HQC0BM00		2505	\$0.02	
AAF DB0004	96	T		72D	TFA	HQ00BM00		2505	\$84.21	84 21
AAE DB0008	96	T		72D	TFA	HQ00BM00		2505	\$35.34	35 34
BDW SCX001	98	T		72K	FAX	HQ00BM00		2501	\$12,000.00	
AAA DA0004	96	T		72D	TFA	HQ00JT00		2505	\$14.13	14 13
AFA DA0021	96	T		72D	TFA	HQ00JT00		2505	\$15.23	15 23
AJK DA0029	96	T		72D	TFA	HQ00JT00		2505	\$19,474.43	
AKK DA0049	96	T		72D	TFA	HQ00JT00		2505	\$6,171.81	
AAH DB0016	96	T		72D	TFA	HQ00JT00		2505	\$985.33	985 33
BFW PU1005	98	H		72P	G7X	ZQ00		2505	\$30,000.00	
BFU W18238	98	H		07W	G7X	Z700		2505	\$9,000.00	5999 19
ASK W18014	98	HR		07W	P8X	Z717		2505	\$754.03	
A70 W18045	98	HR		07W	P8X	Z718		2505	\$209,118.08	7339 36
BBQ W18126	98	HR		07W	P8X	Z721		2505	\$10,334.86	186 06
BDX W18165	98	HR		07W	P8X	Z723		2505	\$951.90	951 70
BFT W18204	98	HR		07W	P8X	Z726		2505	\$14,500.00	
A3P W10138	97	T		07W0F	FAX	07AWLW01	C002	2505	\$0.81	
AUH W50011	97	T		7AW0J	FAX	07CSGM01	C001	2505	\$97.75	97 75
BE5 W98085	98	T		7AW0J	FAX	07CSRS00	C004	2505	\$50,000.00	446 74
A3U W10132	97	T		7AW0J	FAX	07HWC001	C001	2505	\$29,733.20	
BBD W98056	98	T		7AW0E	FAX	07JJB00	C001	2505	\$13,705.35	2790 35
BBC W98055	98	T		7AW0E	FAX	07JLB00	C001	2505	\$7,500.00	
ARH W50005	97	T		7AW0E	FAX	07NYBB01	C003	2505	\$40,806.17	
BFN W98093	98	T		7AW0J	FAX	07SNHR00	C001	2505	\$50,000.00	
BBR W98068	98	T		7AW0J	FAX	07WCHR00	C001	2505	\$52,500.00	
AAM W10004	96	T		7AW0E	TFA	07WQBN00*		2505	\$310.22	310 22
AHQ W10005	96	T		7AW0E	TFA	07WQBN00*		2505	\$3,640.32	
AZT W10063	97	T		7AW0E	FAX	07WQBN00*	C052	2505	\$128.89	128 89
A2L W10081	97	T		7AW0J	FAX	07WQBN00*	C052	2505	\$650,193.32	23983 82
AAK W20040	96	T		7AW0E	TFA	07WQBNC0*		2505	\$21,825.44	
AKL W20122	96	T		7AW0E	TFA	07WQBNC0*		2505	\$394,622.44	1125 25
A1X W10090	97	T		7AW0J	FAX	07WQBZ00*	C052	2505	\$255,686.85	266 13

(Refer to continuation page/s for additional accounts)

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 33

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AAI	W10002	96	T	7AW0J	TFA	07WQEA00*		2505	\$1,342.48	
AE8	W10006	96	T	7AW0J	TFA	07WQEA00*		2505	\$2,803.75	
AYS	W10052	97	T	7AW0J	FAX	07WQEA00* C052		2505	\$763,943.09	6507 22
AKM	W20122	96	T	7AW0J	TFA	07WQEA00*		2505	\$33.04	33 04
AlY	W10091	97	T	7AW0J	FAX	07WQLA00* C007		2505	\$22,947.45	
A7Q	W98026	98	T	7AW0E	FAX	07WQLA00* C007		2505	\$103,262.60	
AXI	W10039	97	T	7AW0J	FAX	07WQQB00* C052		2505	\$198,879.34	7834 18
BBU	W18149	98	T	07W0F	FAX	07WQQB00* C061		2505	\$100,000.00	
A98	W98036	98	T	7AW0J	FAX	07WQQW00* C001		2505	\$6,882,494.55	28199 25
BBE	W98062	98	T	7AW0J	FAX	07WSTS00 C001		2505	\$75,000.00	
A3L	W10164	97	T	07W0F	FAX	07WTGS00 C001		2505	\$107,645.04	
A2N	W10183	97	TR2	07W	UBX	07X4BE01 C001		2505	\$5,500.00	
A20	W10184	97	TR2	07W	UBX	07X4BF01 C001		2505	\$1,191.68	1191 68
BE6	W18168	98	TR2	07W	UBX	07X4BF01 C001		2505	\$10,000.00	3065 13
AGP	W50004	96	T	07W	TGB	07X4GE00		2505	\$1,935.41	
A3Q	W10224	97	T	07W0F	FAX	07Y8LW01 C001		2505	\$4.71	4 71
AAD	W10001	96	T	7AW0J	TFA	07ZZEA00		2505	\$0.31	31
BFM	W18149	98	T	07W0F	FAX	07ZZQB00 C061		2505	\$175,000.00	
BFX	W18229	98	T	07W0F	FAX	07ZZWQ00 C008		2505	\$207,000.00	
A3K	W10117	97	T	7AW0J	FAX	0700BN00 C052		2505	\$0.01	
A3R	W10230	97	T	07W	FAX	0700BN00		2505	\$35,781.25	162 27
BFP	W18161	98	T	0700D	FAX	0700BZ00 C002		2505	\$100,000.00	
BFO	W18162	98	T	0700D	FAX	0700BZ00 C002		2505	\$375,000.00	
BFV	W98101	98	T	7AW0J	FAX	0700JT00 C002		2505	\$10,000.00	
A3S	W10163	97	T	07W0F	FAX	072XLV01 C002		2505	\$50,000.00	
A3T	W10163	97	T	07W0F	FAX	072XLW01 C001		2505	\$30,000.00	
BBS	W18122	98	T	07W0F	FAX	078GGS00 C001		2505	\$45,136.77	4096 10

TOTAL DISTRIBUTED

\$299,110.30

Voucher 33
\$218.70
\$81.57
\$57.03
\$1,919.05
\$341.22
\$1,544.14
\$-341.22
\$865.81
\$84.21
\$35.34
\$14.13
\$15.23
\$985.33
\$5,999.19
\$7,339.36
\$136.06
\$951.90
\$97.75
\$446.94
\$2,790.35
\$310.22
\$128.89
\$93,583.82
\$1,125.25
\$266.13
\$65,677.22
\$33.04
\$7,834.18
\$98,199.25
\$1,191.68
\$3,065.13
\$4.71
\$0.31
\$162.27
\$4,096.10
\$299,110.29

Contract.....: 68W60012

Delivery Order.....:

Invoice.....: 33

Return Form

- 1) Insert this page face up in the "Pink" envelope such that RTP-FMC's return address appears in the window.
- 2) Verify, correct and/or add information regarding your name and address profile, including the assignment or correction to your Alternate Approving Official and Supervisor. Only a Project/Delivery Order Officer or Contracting Officer can assign an Alternate Approving Official.

Validate, correct and/or add name & address information.

Invoice Approving Official:

Name.....: PAUL E. DOHERTY
Address.....: EPA, SUPERFUND DIVISION
726 MINNESOTA AVE
KANSAS CITY, KS 66101
Phone Number.: 913 551-7924 FAX: 913 551-7063
Email Code.....: DOHERTY.PAUL

Name change requires submission of EPA
Form 1900-65 to Contracting Officer

Approving Official's Alternate:

Name.....: ROY J. CROSSLAND
Address.....: EPA, SUPERFUND DIVISION
726 MINNESOTA AVENUE
KANSAS CITY, KS 66101
Phone Number.: 913 551-7965 FAX: 913 551-7948
Email Code.....: CROSSLAND.ROY

(Can only be assigned by the PO, DOPO or CO)

Approving Official's Supervisor:

Name.....: MICHAEL J. SANDERSON
Address.....: EPA, IMMED OFC, SUPERFUND DIVI
726 MINNESOTA AVE.
KANSAS CITY, KS 66115
Phone Number.: 913 551-7664
Email Code.....:

RTP-FMC's Return Address -- >

(ensure address appears in the
Pink Envelope window)

RTP-FMC

U. S. Environmental Protection Agency
RTP-Financial Management Center
(MD-32)
Research Triangle Park, NC 27711

NOV 13 1986

Reminder: EPA Form 1900-68, "Notice of Contract Costs Suspended and/or Disallowed" must be attached to this approval form to affect a reduction in the invoice amount to the vendor. This form is available from your contracting officer

Bar Code:

(ADA)

Contractor: Ecology and Environment, Inc.
 Contract Number: 68-W6-0012

DCN SUMMARY
 Aug-98

Invoice Number: 33

FUNDING SOURCE	Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
AEC003 CERCLA/SARA	26,000.00	200.13	18.57	218.70	26,000.00	0.00
DA0004 CERCLA/SARA	300,000.00	12.93	1.20	14.13	300,000.00	0.00
DA0021 CERCLA/SARA	200,000.00	13.94	1.29	15.23	200,000.00	0.00
DA0029 CERCLA/SARA	893,714.00	-	-	-	893,707.99	6.01
DA0049 CERCLA/SARA	496,508.00	-	-	-	490,705.07	5,802.93
DB0004 CERCLA/SARA	320,000.00	77.06	7.15	84.21	320,000.00	0.00
DB0008 CERCLA/SARA	320,000.00	32.34	3.00	35.34	320,000.00	0.00
DB0016 CERCLA/SARA	350,000.00	901.65	83.68	985.33	350,000.00	0.00
EAR052 CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR127 CEPP	160,000.00	-	-	-	160,000.00	0.00
EAR141 CEPP	160,000.00	-	-	-	160,000.00	0.00
EAR158 CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR238 CEPP	20,000.00	-	-	-	20,000.00	0.00
EAR265 CEPP	50,000.00	-	-	-	6,272.77	43,727.23
EAR279 CEPP	85,000.00	-	-	-	85,000.00	0.00
PP0014 OPA	10,000.00	74.64	6.93	81.57	10,000.00	0.00
PP0034 OPA	25,000.00	52.19	4.84	57.03	25,000.00	0.00
PP0053 OPA	40,000.00	1,756.07	162.98	1,919.05	29,581.47	10,418.53
PP0102 OPA	20,000.00	-	-	-	9,283.34	10,716.66
W10001 CERCLA/SARA	50,000.00	0.28	0.03	0.31	50,000.00	0.00
W10002 CERCLA/SARA	50,000.00	-	-	-	48,657.51	1,342.49
W10004 CERCLA/SARA	50,000.00	283.87	26.35	310.22	50,000.00	0.00
W10005 CERCLA/SARA	500,000.00	-	-	-	499,410.15	589.85
W10006 CERCLA/SARA	50,000.00	-	-	-	47,196.25	2,803.75
W10008 CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
W10016 CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
W10027 OPA - SITE SPECIFIC	30,000.00	-	-	-	16,328.07	13,671.93
W10038 CERCLA/SARA	100,000.00	-	-	-	100,000.00	0.00
W10039 CERCLA/SARA - Site Assessment	250,000.00	7,168.83	665.35	7,834.18	58,954.84	191,045.16
W10041 OPA - SITE SPECIFIC	8,000.00	-	-	-	8,290.11	(290.11)
W10043 OPA - SITE SPECIFIC	5,000.00	312.24	28.98	341.22	5,000.00	0.00
W10052 CERCLA/SARA - Site Assessment	1,910,440.00	59,550.26	5,526.96	65,077.22	1,211,678.14	698,761.86
W10063 CERCLA/SARA - Removal	680,000.00	117.94	10.95	128.89	680,000.00	0.00
W10076 OPA - SITE SPECIFIC	13,250.00	-	-	-	7,250.92	5,999.08
W10079 COMM. BASED ENVIRONMENTAL ACTIVITIES	30,000.00	-	-	-	8,001.08	21,998.92
W10081 CERCLA/SARA - Removal	1,500,000.00	86,001.85	7,981.97	93,983.82	943,790.50	556,209.50
W10090 CERCLA/SARA - Brownfields	300,000.00	243.53	22.60	266.13	44,579.29	255,420.71
W10091 CERCLA/SARA - Dioxin Air Sample Analysis	100,000.00	-	-	-	77,052.56	22,947.44
W10097 CERCLA - REMOVAL SITE SPECIFIC	75,000.00	-	-	-	75,000.00	0.00
W10105 CERCLA/SARA	250,000.00	-	-	-	250,000.00	0.00
W10117 CERCLA/SARA - Hazcat OSC Training	3,000.00	-	-	-	3,000.00	0.00
W10132 CERCLA/SARA - Site Specific	29,960.00	-	-	-	226.81	29,733.19
W10134 OPA	100,000.00	1,413.00	131.14	1,544.14	34,383.99	65,616.01
W10138 CERCLA/SARA - Site Specific	205.00	-	-	-	315.97	(110.97)

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
W10155	OPA - SITE SPECIFIC	2,500.00	(312.24)	(28.98)	(341.22)	161.50	2,338.50
W10163	CERCLA/SARA	80,000.00	-	-	-	0.00	80,000.00
W10164	CERCLA/SARA - Site Specific	130,000.00	-	-	-	22,354.96	107,645.04
W10183	CERCLA - REMOVAL SITE SPECIFIC	5,500.00	-	-	-	0.00	5,500.00
W18168	CERCLA/SARA - Site Specific	10,000.00	2,804.81	260.32	3,065.13	3,065.13	6,934.87
W10184	CERCLA/SARA - Site Specific	15,000.00	1,090.47	101.21	1,191.68	15,000.00	0.00
W10224	CERCLA/SARA - Remedial Site Specific	94.86	4.31	0.40	4.71	94.86	0.00
W10230	CERCLA/SARA - Counter Terrorism Training	40,000.00	148.49	13.78	162.27	4,381.02	35,618.98
W18014	OPA - SITE SPECIFIC	2,000.00	-	-	-	1,243.95	756.05
W18045	OPA - SITE SPECIFIC	285,120.00	6,716.03	623.33	7,339.36	83,341.27	201,778.73
W18151	FEMA REIMBURSABLE	7,500.00	792.28	73.53	865.81	6,074.81	1,425.19
W18238	OPA	9,000.00	5,489.68	509.51	5,999.19	5,999.19	3,000.81
W18165	CERCLA/SARA - Site Specific	5,000.00	871.06	80.84	951.90	5,000.00	0.00
W18122	CERCLA/SARA - Site Specific	60,000.00	3,748.22	347.88	4,096.10	18,959.32	41,040.68
W18126	OPA - SITE SPECIFIC	4,000.00	170.26	15.80	186.06	3,851.21	148.79
W20040	CERCLA/SARA	50,000.00	-	-	-	28,174.55	21,825.45
W20122(R)	CERCLA/SARA - Removal	1,650,000.00	1,029.68	95.57	1,125.25	1,256,504.82	393,495.18
W20122(S)	CERCLA/SARA - Site Assessment	650,000.00	30.23	2.81	33.04	650,000.00	0.00
W50004	CERCLA/SARA	5,000.00	-	-	-	3,064.58	1,935.42
W50005	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	-	-	-	9,193.83	40,806.17
W98085	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	408.98	37.96	446.94	446.94	49,553.06
W50011	CERCLA - REMOVAL SITE SPECIFIC	60,000.00	89.45	8.30	97.75	60,000.00	0.00
W70004	CERCLA - REMOVAL SITE SPECIFIC	15,000.00	-	-	-	15,000.00	0.00
W98014	CERCLA/SARA - Analytical Support Services	150,000.00	-	-	-	150,000.00	0.00
W98026	CERCLA/SARA - Analytical Support Services	300,000.00	-	-	-	196,737.40	103,262.60
W98036	CERCLA/SARA	1,400,000.00	89,859.27	8,339.98	98,199.25	580,704.70	819,295.30
W98047	CERCLA - REMOVAL SITE SPECIFIC	12,000.00	-	-	-	12,000.00	0.00
W98055	CERCLA/SARA - Site Specific	7,500.00	-	-	-	0.00	7,500.00
W98056	CERCLA/SARA - Site Specific	22,500.00	2,553.37	236.98	2,790.35	11,585.00	10,915.00
W98062	CERCLA/SARA - Site Specific	75,000.00	-	-	-	0.00	75,000.00
TOTALS		15,313,791.86	273,707.10	25,403.20	299,110.30	11,367,605.82	

Standard Form 1034 Revised January 1980 Department of the Treasury TFRM 4-2000 1034-118		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL		VOUCHER NO. 035		
				SCHEDULE NO.		
U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION Environmental Protection Agency Financial Management Division (MD-32) Research Triangle Park, NC 27711 Attention: Administration		DATE VOUCHER PREPARED November 24, 1998		PAID BY		
		CONTRACT NUMBER AND DATE 68-W6-0012		DATE INVOICE RECEIVED		
		REQUISITION NUMBER AND DATE		DISCOUNT TERMS		
PAYEE'S NAME AND ADDRESS <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> Ecology and Environment, Inc. 368 Pleasant View Drive Lancaster, NY 14086 </div>		PAYEE'S ACCOUNT NUMBER		GOVERNMENT B/L NUMBER		
SHIPPED FROM		TO		WEIGHT		
NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES <small>(Enter description, item number of contract of Federal supply schedule, and other information deemed necessary)</small>	QUANTITY	UNIT PRICE		AMOUNT
				COST	PER	
	9/27/98 thru 10/31/98	START TEAMS: REGION VII For Cost Details, See Attached COST REIMBURSABLE PROVISIONAL PAYMENT				\$513,680.82
"I certify that all payments requested are for appropriate purposes in accordance with the agreements set forth in the contract."		NAME OF OFFICIAL: <i>Robert C. [Signature]</i>		START REGION VII PROGRAM MANAGER		
(Use continuation sheet(s) if necessary)		(Payee must NOT use the space below)		TOTAL		\$513,680.82
PAYMENT: <input type="checkbox"/> PROVISIONAL <input type="checkbox"/> COMPLETE <input type="checkbox"/> PAIDIAL <input type="checkbox"/> FINAL <input type="checkbox"/> PROGRESS <input type="checkbox"/> ADVANCE		APPROVED FOR	EXCHANGE RATE = \$1.00	DIFFERENCES		12-23-98 9-7
		BY ²				
				Amount verified: correct for		
		TITLE		(Signature or initials)		
Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment.						
(Date)		(Authorized Certifying Officer)		(Title)		
ACCOUNTING CLASSIFICATION						
SITE SPECIFIC REDISTRIBUTION						
PAID BY	CHECK NUMBER		ON ACCOUNT OF U.S. TREASURY		CHECK	
	CASH \$		DATE		PAYEE	
1 When stated in foreign currency, insert name of currency. 2 If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title. 3 When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.			PER		TITLE	

PRIVACY ACT STATEMENT

The information requested on this form is required under the provisions of 31 U.S.C. 82b and 82c, for the purpose of disbursing Federal money. The information requested is to identify the particular creditor and the amounts to be paid. Failure to furnish this information will hinder discharge of the payment obligation.



United States Environmental Protection Agency

PROJECT OFFICER INVOICE APPROVAL

Date Due To RTP-FMC 12/23/98

Accounting Distribution Information

(as of 12/08/98)

Contract.....	68W60012	Invoice Amount.....	\$513,680.82
Contract Period.....	BASE	Less: Discounts.....	\$0.00
Delivery Order.....		Holdbacks.....	\$0.00
		Suspensions.....	\$0.00
Invoice.....	35	Net Invoice Amount.....	\$513,680.82
Date Invoice Received.....	12/07/98	(per RTP-FMC's Initial Review)	
Performance Period	09/27/98 - 10/31/98		

Last Invoice Audited by RTP-FMC:.....	33	Last Funding Document.....	MOD 35
--Date Completed.....	11/16/98	--Date Processed By RTP-FMC:	11/17/98
--Approved Payment Amount.....	\$299,110.30	Total Funds Obligated.....	\$22,444,902.86
Cumulative Invoice Amounts Paid....	\$11,344,293.57	Total Funds Remaining.....	\$11,100,609.29

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
AHN	EAR265	9697	B	75E	BPU			2505	\$43,727.22	
AFB	PP0053	96	H	72P	HG7			2505	\$10,418.52	1584 25
AKO	PP0102	96	H	72P	HG7			2505	\$10,716.65	
AWK	W10027	97	HR	07W0X13	P8X			2505	\$13,671.93	0 18
AZS	W10076	97	HR	07W0X15	P8X			2505	\$6,028.67	
AZU	W10079	9798	B	07W	J1X			2583	\$21,998.94	
AKN	W10134	96	H	07W	HG7			2505	\$65,616.05	6095 76
A2P	W10155	97	HR	07W0X08	P8X			2505	\$2,338.50	
BBT	W18151	98	BR	07W0X01	6FX			2505	\$1,425.19	(250 92)
AHO	EAR279	96	T	75E	TFA	HQC0BM00		2505	\$0.02	

(Refer to continuation page/s for additional accounts)

☐ Check here if there are attachments supporting the accounting distribution information


Invoice Approving Official Certification

I have reviewed the invoice submitted by the contractor and other supporting financial data readily available to me. Although this does not imply that a thorough detailed audit has been performed, to the best of my knowledge I have determined this payment is in accordance with the contract terms and limitations and that either: 1) sufficient progress has been made by the contractor, costs appear to be reasonable and appropriate, or 2) goods or services have been delivered in full from the contractor. I acknowledge that any knowingly false or misleading representation may be punishable by fine or imprisonment or both under applicable law.

☒ Approved, as submitted by RTP-FMC to the Approving Official ☐ # Approved, with suspension by the Approving Official ☐ # Disapproved by the Approving Official

* All Superfund "WQ" accounts must be distributed to specific sites on invoice attachment.

Complete EPA Form 1900-68 and attach a copy with the "Return Form".

 12/23/98
Signature Date

Bar Code: 

(ADA)

PAUL E. DOHERTY
913 551-7924 FAX: 913 551-7063 EMAIL: DOHERTY.PAUL

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012

Approving Official.....: PAUL E. DOHERTY

Delivery Order.....:

Phone.....: 913 551-7924

Invoice.....: 35

Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
BE6	W18168	98	TR2	07W	UBX	07X4BF01	C001	2505	\$6,934.87	<u>1930.70</u>
AGP	W50004	96	T	07W	TGB	07X4GE00		2505	\$1,935.41	
BFM	W18149	98	T	07W0F	FAX	07ZZQB00	C061	2505	\$175,000.00	
BFX	W18229	98	T	07W0F	FAX	07ZZWQ00	C008	2505	\$207,000.00	
A3K	W10117	97	T	7AW0J	FAX	0700BN00	C052	2505	\$0.01	
A3R	W10230	97	T	07W	FAX	0700BN00		2505	\$35,618.98	<u>1577.82</u>
BFP	W18161	98	T	0700D	FAX	0700BZ00	C002	2505	\$100,000.00	
BF0	W18162	98	T	0700D	FAX	0700BZ00	C002	2505	\$375,000.00	
BFV	W98101	98	T	7AW0J	FAX	0700JT00	C002	2505	\$10,000.00	
A3S	W10163	97	T	07W0F	FAX	072XLV01	C002	2505	\$50,000.00	
A3T	W10163	97	T	07W0F	FAX	072XLW01	C001	2505	\$30,000.00	
BBS	W18122	98	T	07W0F	FAX	078GGS00	C001	2505	\$41,040.67	<u>18602.55</u>

TOTAL DISTRIBUTED

~~\$513,680.82~~

Voucher 35
\$1,584.25
\$0.16
\$6,095.76
\$-250.92
\$701.35
\$0.48
\$12.29
\$12,948.00
\$1,779.20
\$2,108.59
\$26,962.46
\$2,246.23
\$62,897.04
\$70,085.64
\$162.61
\$77.21
\$92,041.94
\$2,215.86
\$8,363.15
\$201,538.46
\$1,930.70
\$1,577.82
\$18,602.55
\$513,680.83

~~*~~

513680.83

PD
12/22/98

Accounting Distribution Information - Continuation Page

Contract.....: 68W60012
 Delivery Order.....:
 Invoice.....: 35

Approving Official.....: PAUL E. DOHERTY
 Phone.....: 913 551-7924
 Email.....: DOHERTY.PAUL

Ln Ref	DCN	FY	Approp	Budget Org	Program Element	Site/ Project	Cost Org	Obj Class	Remaining Dollars	Amount Approved
BDW	SCX001	98	T	72K	FAX	HQ00BM00		2501	\$12,000.00	<u>701.35</u>
AJK	DA0029	96	T	72D	TFA	HQ00JT00		2505	\$19,474.43	<u>0.48</u>
AKK	DA0049	96	T	72D	TFA	HQ00JT00		2505	\$6,171.81	<u>12.29</u>
BFW	PU1005	98	H	72P	G7X	ZQ00		2505	\$30,000.00	
BFU	W18238	98	H	07W	G7X	Z700		2505	\$3,000.81	
A5K	W18014	98	HR	07W	P8X	Z717		2505	\$754.03	
A70	W18045	98	HR	07W	P8X	Z718		2505	\$201,778.72	<u>12948.00</u>
BBQ	W18126	98	HR	07W	P8X	Z721		2505	\$10,148.80	
BG5	W19001	99	HR	07W0X23	50203D	Z723		2505	\$20,000.00	<u>1779.20</u>
BFT	W18204	98	HR	07W	P8X	Z726		2505	\$14,500.00	<u>2108.59</u>
BG4	W19005	99	HR	07W0X27	50203D	Z727		2505	\$10,000.00	
A3P	W10138	97	T	07W0F	FAX	07AWLW01	C002	2505	\$0.81	
BE5	W98085	98	T	7AW0J	FAX	07CSRS00	C004	2505	\$49,553.06	<u>26962.46</u>
A3U	W10132	97	T	7AW0J	FAX	07HWC001	C001	2505	\$29,733.20	
BBD	W98056	98	T	7AW0E	FAX	07JJB00	C001	2505	\$10,915.00	<u>2246.23</u>
BBC	W98055	98	T	7AW0E	FAX	07JLB00	C001	2505	\$7,500.00	
ARH	W50005	97	T	7AW0E	FAX	07NYBB01	C003	2505	\$40,806.17	
BFN	W98093	98	T	7AW0J	FAX	07SNHR00	C001	2505	\$50,000.00	
BBR	W98068	98	T	7AW0J	FAX	07WCHR00	C001	2505	\$52,500.00	
AHQ	W10005	96	T	7AW0E	TFA	07WQBN00*		2505	\$3,640.32	
A2L	W10081	97	T	7AW0J	FAX	07WQBN00*	C052	2505	\$556,209.50	<u>62877.04</u>
AAK	W20040	96	T	7AW0E	TFA	07WQBN00*		2505	\$21,825.44	
AKL	W20122	96	T	7AW0E	TFA	07WQBN00*		2505	\$393,497.19	<u>70085.64</u>
A1X	W10090	97	T	7AW0J	FAX	07WQBZ00*	C052	2505	\$255,420.72	<u>162.61</u>
AAI	W10002	96	T	7AW0J	TFA	07WQEA00*		2505	\$1,342.48	<u>77.21</u>
AE8	W10006	96	T	7AW0J	TFA	07WQEA00*		2505	\$2,803.75	
AYS	W10052	97	T	7AW0J	FAX	07WQEA00*	C052	2505	\$698,865.87	<u>92041.94</u>
A1Y	W10091	97	T	7AW0J	FAX	07WQLA00*	C007	2505	\$22,947.45	
A7Q	W98026	98	T	7AW0E	FAX	07WQLA00*	C007	2505	\$103,262.60	
AXI	W10039	97	T	7AW0J	FAX	07WQBB00*	C052	2505	\$191,045.16	<u>2215.86</u>
BBU	W18149	98	T	07W0F	FAX	07WQBB00*	C061	2505	\$100,000.00	<u>8363.15</u>
A98	W98036	98	T	7AW0J	FAX	07WQWQ00*	C001	2505	\$6,784,295.30	<u>201538.46</u>
BBE	W98062	98	T	7AW0J	FAX	07WSTS00	C001	2505	\$75,000.00	
A3L	W10164	97	T	07W0F	FAX	07WTS00	C001	2505	\$107,645.04	
A2N	W10183	97	TR2	07W	UBX	07X4BE01	C001	2505	\$5,500.00	

(Refer to continuation page/s for additional accounts)

Contract.....: 68W60012

Delivery Order.....

Invoice.....: 35

Return Form

- 1) Insert this page face up in the "Pink" envelope such that RTP-FMC's return address appears in the window.
- 2) Verify, correct and/or add information regarding your name and address profile, including the assignment or correction to your Alternate Approving Official and Supervisor. Only a Project/Delivery Order Officer or Contracting Officer can assign an Alternate Approving Official.

Validate, correct and/or add name & address information.

Invoice Approving Official:

Name.....: PAUL E. DOHERTY
Address.....: EPA, SUPERFUND DIVISION
726 MINNESOTA AVE
KANSAS CITY, KS 66101
Phone Number.: 913 551-7924 FAX: 913 551-7063
Email Code.....: DOHERTY.PAUL

Name change requires submission of EPA
Form 1900-65 to Contracting Officer

Approving Official's Alternate:

Name.....: ROY J. CROSSLAND
Address.....: EPA, SUPERFUND DIVISION
726 MINNESOTA AVENUE
KANSAS CITY, KS 66101
Phone Number.: 913 551-7965 FAX: 913 551-7948
Email Code.....: CROSSLAND.ROY

(Can only be assigned by the PO, DOPO or CO)

Approving Official's Supervisor:

Name.....: MICHAEL J. SANDERSON
Address.....: EPA, IMMEDIATE OFFICE, SUPERFUND DIVI
726 MINNESOTA AVE.
KANSAS CITY, KS 66115
Phone Number.: 913 551-7664
Email Code.....:

RTP-FMC's Return Address -- >

(ensure address appears in the
Pink Envelope window)

U. S. Environmental Protection Agency
RTP-Financial Management Center
(MD-32)
Research Triangle Park, NC 27711

Reminder: EPA Form 1900-68, "Notice of Contract Costs Suspended and/or Disallowed" must be attached to this approval form to affect a reduction in the invoice amount to the vendor. This form is available from your contracting officer

Bar Code: _____

(ADA)

Contractor: Ecology and Environment, Inc.
Contract Number: 68-W6-0012

DCN SUMMARY

Oct-98

Invoice Number: 35

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
AEC003	CERCLA/SARA	26,000.00	-	-	-	26,000.00	0.00
DA0004	CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
DA0021	CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
DA0029	CERCLA/SARA	893,714.00	0.45	0.03	0.48	893,713.20	0.80
DA0049	CERCLA/SARA	496,508.00	11.59	0.70	12.29	490,717.35	5,790.65
DB0004	CERCLA/SARA	320,000.00	-	-	-	320,000.00	0.00
DB0008	CERCLA/SARA	320,000.00	-	-	-	320,000.00	0.00
DB0016	CERCLA/SARA	350,000.00	-	-	-	350,000.00	0.00
EAR052	CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR127	CEPP	160,000.00	-	-	-	160,000.00	0.00
EAR141	CEPP	160,000.00	-	-	-	160,000.00	0.00
SCX001	CERCLA TRAINING	12,000.00	661.64	39.71	701.35	995.53	11,004.47
EAR158	CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR238	CEPP	20,000.00	-	-	-	20,000.00	0.00
EAR265	CEPP	50,000.00	-	-	-	6,272.78	43,727.22
EAR279	CEPP	85,000.00	-	-	-	85,000.00	0.00
PP0014	OPA	10,000.00	-	-	-	10,000.00	0.00
PP0034	OPA	25,000.00	-	-	-	25,000.00	0.00
PP0053	OPA	40,000.00	1,494.56	89.69	1,584.25	32,294.37	7,705.63
PP0102	OPA	20,000.00	-	-	-	9,283.34	10,716.66
W10001	CERCLA/SARA	50,000.00	-	-	-	50,000.00	0.00
W10002	CERCLA/SARA	50,000.00	72.84	4.37	77.21	48,830.26	1,169.74
W10004	CERCLA/SARA	50,000.00	-	-	-	50,000.00	0.00
W10005	CERCLA/SARA	500,000.00	-	-	-	499,410.15	589.85
W10006	CERCLA/SARA	50,000.00	-	-	-	47,196.25	2,803.75
W10008	CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
W10016	CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
W10027	OPA - SITE SPECIFIC	30,000.00	0.15	0.01	0.16	16,328.22	13,671.78
W10038	CERCLA/SARA	100,000.00	-	-	-	100,000.00	0.00
W10039	CERCLA/SARA - Site Assessment	250,000.00	2,090.41	125.45	2,215.86	66,745.59	183,254.41
W10041	OPA - SITE SPECIFIC	8,000.00	-	-	-	8,290.11	(290.11)
W10043	OPA - SITE SPECIFIC	5,000.00	-	-	-	5,000.00	0.00
W10052	CERCLA/SARA - Site Assessment	1,910,440.00	86,830.97	5,210.97	92,041.94	1,476,924.57	433,515.43
W10063	CERCLA/SARA - Removal	680,000.00	-	-	-	680,000.00	0.00
W10076	OPA - SITE SPECIFIC	13,250.00	-	-	-	7,250.92	5,999.08
W10079	COMM. BASED ENVIRONMENTAL ACTIVITIES	30,000.00	-	-	-	8,001.08	21,998.92
W10081	CERCLA/SARA - Removal	1,500,000.00	59,336.12	3,560.92	62,897.04	1,051,252.18	448,747.82
W10161	CERCLA/SARA - Brownfields	100,000.00	-	-	-	0.00	100,000.00

Contractor: Ecology and Environment, Inc.
 Contract Number: 68-W6-0012

DCN SUMMARY

Oct-98

Invoice Number: 35

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
W18162	CERCLA/SARA - Brownfields	300,000.00	-	-	-	0.00	300,000.00
W10090	CERCLA/SARA - Brownfields	300,000.00	153.40	9.21	162.61	44,952.83	255,047.17
W10091	CERCLA/SARA - Dioxin Air Sample Analysis	100,000.00	-	-	-	77,052.56	22,947.44
W10097	CERCLA - REMOVAL SITE SPECIFIC	75,000.00	-	-	-	75,000.00	0.00
W10105	CERCLA/SARA	250,000.00	-	-	-	250,000.00	0.00
W10117	CERCLA/SARA - Hazcat OSC Training	3,000.00	-	-	-	3,000.00	0.00
W10132	CERCLA/SARA - Site Specific	29,960.00	-	-	-	226.81	29,733.19
W10134	OPA	100,000.00	5,750.65	345.11	6,095.76	43,280.59	56,719.41
W10138	CERCLA/SARA - Site Specific	205.00	-	-	-	315.97	(110.97)
W10155	OPA - SITE SPECIFIC	2,500.00	-	-	-	161.50	2,338.50
W10163	CERCLA/SARA	80,000.00	-	-	-	0.00	80,000.00
W10164	CERCLA/SARA - Site Specific	130,000.00	-	-	-	22,354.96	107,645.04
W10183	CERCLA - REMOVAL SITE SPECIFIC	5,500.00	-	-	-	0.00	5,500.00
W18168	CERCLA/SARA - Site Specific	10,000.00	1,821.39	109.31	1,930.70	7,689.38	2,310.62
W10184	CERCLA/SARA - Site Specific	15,000.00	-	-	-	15,000.00	0.00
W10224	CERCLA/SARA - Remedial Site Specific	94.86	-	-	-	94.86	0.00
W10230	CERCLA/SARA - Counter Terrorism Training	40,000.00	1,488.49	89.33	1,577.82	10,808.77	29,191.23
W18014	OPA - SITE SPECIFIC	2,000.00	-	-	-	1,243.95	756.05
W18045	OPA - SITE SPECIFIC	285,120.00	12,214.95	733.05	12,948.00	103,742.85	181,377.15
W18151	FEMA REIMBURSABLE	7,500.00	(236.71)	(14.21)	(250.92)	7,122.54	377.46
PU1005	OPA	30,000.00	-	-	-	0.00	30,000.00
W19001	OPA - SITE SPECIFIC	20,000.00	1,678.47	100.73	1,779.20	9,538.38	10,461.62
W18238	OPA	9,000.00	-	-	-	213.47	8,786.53
W18149	CERCLA/FUD'S	100,000.00	7,889.67	473.48	8,363.15	8,837.19	91,162.81
W18165	CERCLA/SARA - Site Specific	5,000.00	-	-	-	5,000.00	0.00
W18122	CERCLA/SARA - Site Specific	60,000.00	17,549.36	1,053.19	18,602.55	40,448.64	19,551.36
W18104	OPA - SITE SPECIFIC	14,500.00	1,989.21	119.38	2,108.59	7,818.51	6,681.49
W18126	OPA - SITE SPECIFIC	4,000.00	-	-	-	3,992.76	7.24
W20040	CERCLA/SARA	50,000.00	-	-	-	28,174.55	21,825.45
W20122(R)	CERCLA/SARA - Removal	1,650,000.00	66,117.73	3,967.91	70,085.64	1,355,220.93	294,779.07
W20122(S)	CERCLA/SARA - Site Assessment	650,000.00	-	-	-	650,000.00	0.00
W50004	CERCLA/SARA	5,000.00	-	-	-	3,064.58	1,935.42
W50005	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	-	-	-	9,193.83	40,806.17
W98085	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	25,435.98	1,526.48	26,962.46	46,186.72	3,813.28
W50011	CERCLA - REMOVAL SITE SPECIFIC	60,000.00	-	-	-	59,939.98	0.00
W70004	CERCLA - REMOVAL SITE SPECIFIC	15,000.00	-	-	-	15,000.00	0.00
W98014	CERCLA/SARA - Analytical Support Services	150,000.00	-	-	-	150,000.00	0.00
W98026	CERCLA/SARA - Analytical Support Services	300,000.00	-	-	-	196,737.40	103,262.60

Contractor: Ecology and Environment, Inc.
Contract Number: 68-W6-0012

DCN SUMMARY

Oct-98

Invoice Number: 35

FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
W98036	CERCLA/SARA	7,365,000.00	190,128.33	11,410.13	201,538.46	926,400.25	6,438,599.75
W98047	CERCLA - REMOVAL SITE SPECIFIC	12,000.00	-	-	-	12,000.00	0.00
W98055	CERCLA/SARA - Site Specific	7,500.00	-	-	-	0.00	7,500.00
W98056	CERCLA/SARA - Site Specific	22,500.00	2,119.06	127.17	2,246.23	18,964.23	3,535.77
W98062	CERCLA/SARA - Site Specific	75,000.00	-	-	-	0.00	75,000.00
TOTALS		21,855,291.86	484,598.71	29,082.11	513,680.82	12,333,284.85	

Contractor: Ecology and Environment, Inc.
 Contract Number: 68-W6-0012

DCN SUMMARY

Oct-98

Invoice Number: 35

FUNDING SOURCE	Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
AEC003 CERCLA/SARA	26,000.00	-	-	-	26,000.00	0.00
DA0004 CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
DA0021 CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
DA0029 CERCLA/SARA	893,714.00	0.45	0.03	0.48	893,713.20	0.80
DA0049 CERCLA/SARA	496,508.00	11.59	0.70	12.29	490,717.35	5,790.65
DB0004 CERCLA/SARA	320,000.00	-	-	-	320,000.00	0.00
DB0008 CERCLA/SARA	320,000.00	-	-	-	320,000.00	0.00
DB0016 CERCLA/SARA	350,000.00	-	-	-	350,000.00	0.00
EAR052 CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR127 CEPP	160,000.00	-	-	-	160,000.00	0.00
EAR141 CEPP	160,000.00	-	-	-	160,000.00	0.00
SCX001 CERCLA TRAINING	12,000.00	661.64	39.71	701.35	995.53	11,004.47
EAR158 CEPP	50,000.00	-	-	-	50,000.00	0.00
EAR238 CEPP	20,000.00	-	-	-	20,000.00	0.00
EAR265 CEPP	50,000.00	-	-	-	6,272.78	43,727.22
EAR279 CEPP	85,000.00	-	-	-	85,000.00	0.00
PP0014 OPA	10,000.00	-	-	-	10,000.00	0.00
PP0034 OPA	25,000.00	-	-	-	25,000.00	0.00
PP0053 OPA	40,000.00	1,494.56	89.69	1,584.25	32,294.37	7,705.63
PP0102 CPA	20,000.00	-	-	-	9,283.34	10,716.66
W10001 CERCLA/SARA	50,000.00	-	-	-	50,000.00	0.00
W10002 CERCLA/SARA	50,000.00	72.84	4.37	77.21	48,830.26	1,169.74
W10004 CERCLA/SARA	50,000.00	-	-	-	50,000.00	0.00
W10005 CERCLA/SARA	500,000.00	-	-	-	499,410.15	589.85
W10006 CERCLA/SARA	50,000.00	-	-	-	47,196.25	2,803.75
W10008 CERCLA/SARA	300,000.00	-	-	-	300,000.00	0.00
W10016 CERCLA/SARA	200,000.00	-	-	-	200,000.00	0.00
W10027 OPA - SITE SPECIFIC	30,000.00	0.15	0.01	0.16	16,328.22	13,671.78
W10038 CERCLA/SARA	100,000.00	-	-	-	100,000.00	0.00
W10039 CERCLA/SARA - Site Assessment	250,000.00	2,090.41	125.45	2,215.86	66,745.59	183,254.41
W10041 OPA - SITE SPECIFIC	8,000.00	-	-	-	8,290.11	(290.11)
W10043 CPA - SITE SPECIFIC	5,000.00	-	-	-	5,000.00	0.00
W10052 CERCLA/SARA - Site Assessment	1,910,440.00	86,830.97	5,210.97	92,041.94	1,476,924.57	433,515.43
W10063 CERCLA/SARA - Removal	680,000.00	-	-	-	680,000.00	0.00
W10076 OPA - SITE SPECIFIC	13,250.00	-	-	-	7,250.92	5,999.08
W10079 COMM. BASED ENVIRONMENTAL ACTIVITIES	30,000.00	-	-	-	8,001.08	21,998.92
W10081 CERCLA/SARA - Removal	1,500,000.00	59,336.12	3,560.92	62,897.04	1,051,252.18	448,747.82
W18161 CERCLA/SARA - Brownfields	100,000.00	-	-	-	0.00	100,000.00

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DCN SUMMARY

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FUNDING SOURCE		Amount	Monthly Cost	Monthly Fee	Monthly Cost	Cumulative	Rem. Balance
W18162	CERCLA/SARA - Brownfields	300,000.00	-	-	-	0.00	300,000.00
W10090	CERCLA/SARA - Brownfields	300,000.00	153.40	9.21	162.61	44,952.83	255,047.17
W10091	CERCLA/SARA - Dioxin Air Sample Analysis	100,000.00	-	-	-	77,052.56	22,947.44
W10097	CERCLA - REMOVAL SITE SPECIFIC	75,000.00	-	-	-	75,000.00	0.00
W10105	CERCLA/SARA	250,000.00	-	-	-	250,000.00	0.00
W10117	CERCLA/SARA - Hazcat OSC Training	3,000.00	-	-	-	3,000.00	0.00
W10132	CERCLA/SARA - Site Specific	29,960.00	-	-	-	226.81	29,733.19
W10134	OPA	100,000.00	5,750.65	345.11	6,095.76	43,280.59	56,719.41
W10138	CERCLA/SARA - Site Specific	205.00	-	-	-	315.97	(110.97)
W10155	OPA - SITE SPECIFIC	2,500.00	-	-	-	161.50	2,338.50
W10163	CERCLA/SARA	80,000.00	-	-	-	0.00	80,000.00
W10164	CERCLA/SARA - Site Specific	130,000.00	-	-	-	22,354.96	107,645.04
W10183	CERCLA - REMOVAL SITE SPECIFIC	5,500.00	-	-	-	0.00	5,500.00
W18168	CERCLA/SARA - Site Specific	10,000.00	1,821.39	109.31	1,930.70	7,689.38	2,310.62
W10184	CERCLA/SARA - Site Specific	15,000.00	-	-	-	15,000.00	0.00
W10224	CERCLA/SARA - Remedial Site Specific	94.86	-	-	-	94.86	0.00
W10230	CERCLA/SARA - Counter Terrorism Training	40,000.00	1,488.49	89.33	1,577.82	10,808.77	29,191.23
W18014	OPA - SITE SPECIFIC	2,000.00	-	-	-	1,243.95	756.05
W18045	OPA - SITE SPECIFIC	285,120.00	12,214.95	733.05	12,948.00	103,742.85	181,377.15
W18151	FEMA REIMBURSABLE	7,500.00	(236.71)	(14.21)	(250.92)	7,122.54	377.46
PU1005	OPA	30,000.00	-	-	-	0.00	30,000.00
W19001	OPA - SITE SPECIFIC	20,000.00	1,678.47	100.73	1,779.20	9,538.38	10,461.62
W18236	OPA	9,000.00	-	-	-	213.47	8,786.53
W18145	CERCLA/FUD'S	100,000.00	7,889.67	473.48	8,363.15	8,837.19	91,162.81
W18165	CERCLA/SARA - Site Specific	5,000.00	-	-	-	5,000.00	0.00
W18122	CERCLA/SARA - Site Specific	60,000.00	17,549.36	1,053.19	18,602.55	40,448.64	19,551.36
W18204	OPA - SITE SPECIFIC	14,500.00	1,989.21	119.38	2,108.59	7,818.51	6,681.49
W18126	OPA - SITE SPECIFIC	4,000.00	-	-	-	3,992.76	7.24
W20040	CERCLA/SARA	50,000.00	-	-	-	28,174.55	21,825.45
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W20122(S)	CERCLA/SARA - Site Assessment	650,000.00	-	-	-	650,000.00	0.00
W50004	CERCLA/SARA	5,000.00	-	-	-	3,064.58	1,935.42
W50005	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	-	-	-	9,193.83	40,806.17
W98085	CERCLA - REMOVAL SITE SPECIFIC	50,000.00	25,435.98	1,526.48	26,962.46	46,186.72	3,813.28
W50011	CERCLA - REMOVAL SITE SPECIFIC	60,000.00	-	-	-	59,939.98	0.00
W70004	CERCLA - REMOVAL SITE SPECIFIC	15,000.00	-	-	-	15,000.00	0.00
W98014	CERCLA/SARA - Analytical Support Services	150,000.00	-	-	-	150,000.00	0.00
W98026	CERCLA/SARA - Analytical Support Services	300,000.00	-	-	-	196,737.40	103,262.60

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W98047 CERCLA - REMOVAL SITE SPECIFIC	12,000.00	-	-	-	12,000.00	0.00
W98055 CERCLA/SARA - Site Specific	7,500.00	-	-	-	0.00	7,500.00
W98056 CERCLA/SARA - Site Specific	22,500.00	2,119.06	127.17	2,246.23	18,964.23	3,535.77
W98062 CERCLA/SARA - Site Specific	75,000.00	-	-	-	0.00	75,000.00
TOTALS	21,855,291.86	484,598.71	29,082.11	513,680.82	12,333,284.85	



ecology and environment, inc.

International Specialists in the Environment

Cloverleaf Building 3, 6405 Metcalf
Overland Park, Kansas 66202
Tel: (913) 432-9961, Fax: (913) 432-0670

November 24, 1998

U.S. Environmental Protection Agency
Financial Management Division (MD-32)
Accounts Payable
Research Triangle Park, NC 27711

Attn: Administrative Audit Section/Accounts Payable

RE: EPA Contract 68-W6-0012
Public Voucher #035 with Supporting Documents
Period from September 27, 1998 through October 31, 1998

Dear Sir or Madam:

Enclosed please find E & E's Public Voucher #035 for the period from September 27, 1998 through October 31, 1998, Site Specific Invoice Detail, and Summary Invoice Table, which covers services performed by our firm for the referenced contract.

If you have any questions regarding the preparation of this report, please contact me at (913) 432-9961.

Sincerely,

ECOLOGY AND ENVIRONMENT, INC.

Robert Overfelt
START Region VII Program Manager

Enclosures

cc: Contracting Officer
Project Officer
START Region VII file
E & E Accounting Department